Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison — *Member Audit Bureau of Circulations*

THE CHEMICAL MARKET AUTHORITY SINCE 1871

Volume 139
Number 18

Schnell Publishing Company, Inc., Publisher

May 5, 1941

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DIBUTYLAMINE
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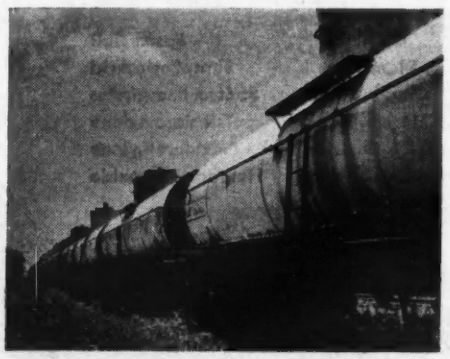

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While the Cleaner Cleans the Clothes

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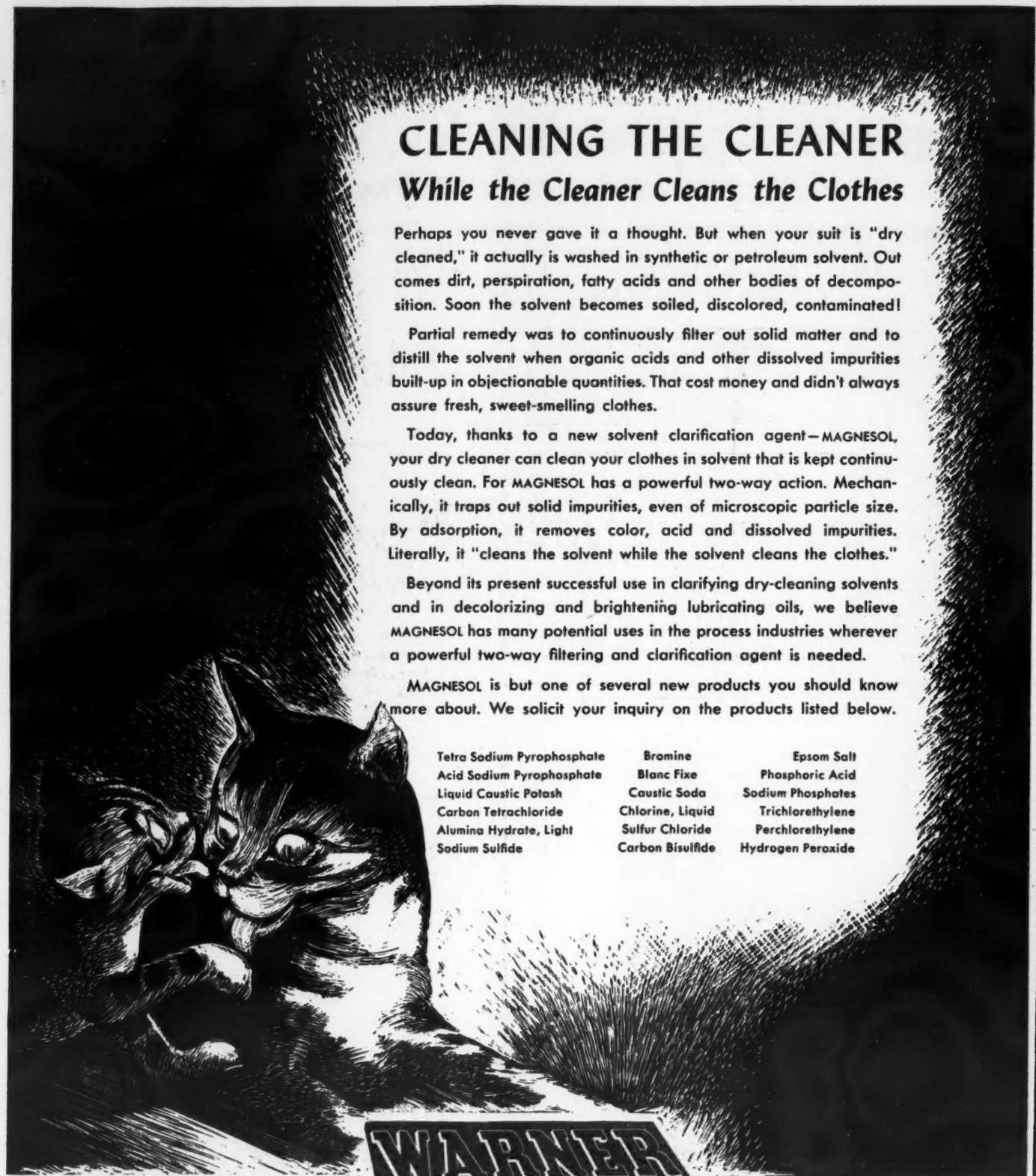
Alumina Hydrate, Light	Sulfur Chloride	Perchlorethylene
Sodium Sulfide	Carbon Bisulfide	Hydrogen Peroxide



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Division of

WESTVACO CHLORINE PRODUCTS CORPORATION

Chrysler Building, New York City

Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison
Member Audit Bureau of Circulation
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Volume 139 — May 5, 1941 — Number 18

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Alcohol Tax Differential Will Be Requested May 5

OPD Washington Bureau
May 1, 1941

Advocates of a differential tax on nonbeverage alcohol will testify before the ways and means committee of the house early next week, probably Monday or Tuesday, and will ask that a special permit system be established to permit druggists and manufacturers of medicines and flavoring extracts to obtain alcohol with a tax of only $2 per proof-gallon. At present the tax is $3 and the Treasury Department is proposing that this be raised to $4, which amounts to between $7.50 and $8 per wine-gallon of pure alcohol.

Among the witnesses who will make this request are Representative Estes Kefauver, of Tennessee, author of a bill (R. R. 8383) to create such a differential; Charles E. Caspari, prominent industrial chemist; Rowland Jones, jr., Washington representative of the National Association of Retail Druggists; E. F. Kelly, secretary of the American Pharmaceutical Association; and John Beach, president of the Flavoring Extract Association.

Economic Basis Urged

Strong support for the defense taxation program, designed to raise an additional $3,500,000,000 during the next fiscal year, which was presented to the house ways and means com-

—*Continued on page* 56

Price-Stabilization Plan Head Named by OPACS

OPD Washington Bureau
May 1, 1941

Dr. John K. Galbraith, assistant professor of economics at Princeton University, has been named director of the price division of the Office of Price Administration and Civilian Supply by Leon Henderson, administrator. He will be responsible for developing price-stabilization programs.

Joseph L. Weiner was named today assistant administrator in charge of civilian allocation of the Office of Price Administration and Civilian Supply.

Mr. Weiner has been director of the public utilities division of the Securities and Exchange Commission since June 10, 1939. Before that he had served, beginning in September, 1938, as special counsel to the reorganization division of the Security Exchange Commission.

Fair Trade Act Repeal Criticized by Retailers

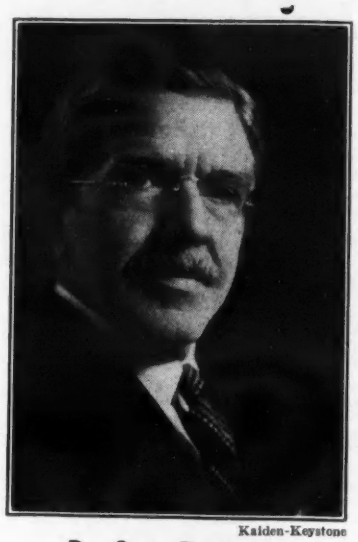
Repeal of the Tydings-Miller fair trade enabling act, as recommended by the Temporary Economic Committee, would spell ruin for numerous merchants throughout the counary, Rowland W. Jones, jr., Washington representative for the National Association of Retail Druggists, declared at the annual convention of the New York Pharmaceutical Council, held in the Pennsylvania hotel last week.

Nicholas S. Gesoalde, executive secretary of the fair trade committee of the New York State Pharmaceutical Association, said that the Tydings-Miller act, the fair trade acts of some forty-five states and the Robinson-Patman act are the only laws in existence that will prevent the further growth of these business combinations.

Marty H. Sasmor was elected president of the council, succeeding J. J. Goldberg. Other officers elected were Louis G. Gitlin, first vice-president; Joseph J. Setaro, second vice-president; Boris S. Prial, third vice-president; Dr. Hugo H. Schaefer, secretary; Frederick C. A. Schaefer, treasurer, and Jack Feldman, sergeant-at-arms.

Dr. Eggleston Elected U.S.P. President

Dr. Cary Eggleston, New York, has been elected by the Board of Trustees of the United States Pharmaco-



Kaiden-Keystone

Dr. Cary Eggleston

peial Convention, to succeed the late Dr. Charles W. Edmunds as president of the convention. Dr. Eggleston was second vice-president, having been

—*Continued on page* 52

Antitrust Law Immunity Offered Industry in Defense

OPD Washington Bureau
April 30, 1941

A new policy in connection with the enforcement of the antitrust laws has been formulated by the Department of Justice in order to exempt from prosecution under these laws acts done in compliance with specific requests of the Office of Production Management and the Office of Price Administration and Civilian Supply. The policy has been outlined in identical letters sent by Attorney-General Robert H. Jackson to Leon Henderson, price administrator, and J. L. O'Brian, OPM general counsel.

Mr. Jackson pointed out that some acts necessary to the national defense effort, if accomplished by private contract or arrangement within an industry and carried on for private advantage, "would probably constitute violations" of the antitrust laws. On the other hand, he explained, it is obvious that in the present emergency acts performed by industry under the direction of public authority and designed to promote public interest and not to achieve private ends, do not constitute violations of the antitrust laws.

Under these circumstances, the Attorney-General declared, the department recognizes that business interests which are asked to comply with public plans for increasing production and preventing inflation are entitled to the cooperation of agencies of the government in eliminating uncertainties as to the application of the antitrust laws to their activities.

Establishment of industry committees to work with defense officials on questions of allocation of orders, curtailment of some kinds of production in order to increase production in defense fields, and the establishment of priorities and price ceilings, will be the sole responsibility of OPM and OPACS, Mr. Jackson said. He suggested, however, that any such committee should be generally representative of the entire industry.

Industry to Advise Only

Other major points in the new policy were outlined by the Attorney-General as follows:—

Each industry committee shall confine itself to collecting and analyzing in-

—*Continued on page* 59

F.D.A. Gives Free Sample in Seizures

OPD Washington Bureau
May 1, 1941

The Food and Drug Administration has promulgated a minor change in its general regulations, eliminating a charge for furnishing a portion of the official sample of an article seized for violation of the law. Under the act the claimant of a seized article may obtain a portion of the official sample for use in trial. Previously the administration made a small charge for this, based on an estimate of the cost involved.

McK.&R. Trustee Offers New Slate of Directors

William J. Wardall, trustee for McKesson & Robbins, Inc., has submitted to the Federal district court in this city, the slate of directors for the board of the reorganization company. In addition to the ten directors named in the reorganization plan, the new board members will be the following:—

Sidney J. Weinberg, of Goldman, Sachs & Co., formerly a director; Jeffrey S. Granger, chairman of the common stockholders' committee; Henry C. Von Elm, vice-chairman of Manufacturers Trust Company, nominee of the bank creditors of the company.

If the new debentures are not underwritten, there will be two additional members on the board, James Bruce, vice-president of the National Dairy Products Corporation and chairman

—*Continued on page* 52

Meeting Vitamin A Needs

By Dr. Kenneth Hickman and Graham C. Mees

Distillation Products Company

Report to American Chemical Society

The total minimum vitamin A requirements for the 140,000,000 inhabitants of the United States is 179,000,000,000,000 units annually. Vitally necessary is an absolute minimum supplemental quantity of 221,400,000,000,000 units to take care of half of the population which requires, during six months of the year, half again as much as the individual average minimum of 3,500 units a day. Since vitamin A in the diet diminishes markedly in Winter, the use of a supplement for six months of the year is widespread and the feeding of extra vitamins A and D to children has become universal.

Current supplies of vitamin A in the United States are more than sufficient for a minimum level of medication for the whole population. Future supplies can be increased by extracting the vitamin from oils which now pass to industrial use. Supplies can be spread farther by wise distribution of dosage.

Supply of Vitamin Oils

Production of vitamin A oils in 1941 in this country assumably will be as follows:—Medicinal liver oils, 11,000,000,000,000 units; sharkliver and dogfish-liver oils, 40,000,000,000,000 units; imported and domestic codliver oil, 6,000,000,000,000 units; other imported oils and livers, 20,000,000,000,000 units; industrial oils, 20,000,000,000,000 units. The total of 97,000,000,000,000 units, would approximately equal the known production for 1939, and would exceed by 17,500,000,000,000 units the estimated production for 1940.

The quantity of vitamin A reaching the medicinal and food fortification fields in 1939, the latest year for which statistics are available, was about 28,000,000,000,000 units, of which 11,000,000,000,000 were from imported codliver oil. The ample margin over the minimum supplemental quantity of 22,400,000,000,000 units was accounted for by the much larger doses favored in sickness; by yield losses in refining and concentration; and by mechanical loss and spoilage in stale merchandise.

The vitamin A made available from various oils in 1939 is believed to have approached 100,000,000,000,000 units Of these, probably 36,000,000,000,000 passed into pouutry feeds, 2,000,000,000,000 or 3,000,000,000,000 went to special rations for fur animals, while between 20,000,000,000,000 and 30,000,000,000,000 were destroyed in oils put to industrial use.

The effect of the war on United States oils has been to diminish the supplies of the type of vitamin A generally used for human consumption, including codliver, halibut liver,

—*Continued on page* 30

Proprietary Ass'n To Meet May 12-14

Discussion of the crude drug situation, together with a review of vitamin research and an analysis of the foreign trade field, are among the features listed for the fifty-ninth annual meeting of the Proprietary Association, to be held in the Biltmore hotel, this city, May 12-14. The tentative program follows:—

Scientific Section

May 12, 10 a.m.

"Changes and Trends in Medicinal Drugs," E. C. Merrill, of the United Drug Company, Boston.

"Science in the Future of the Drug Industry," Dr. O. S. Gibbs, of University of Tennessee.

"What Is Happening in Vitamin Research," Dr. W. L. Sampson, of Merck Institute for Therapeutic Research, Rahway, N. J.

"A Progress Report on the Institute for the Study of Analgesic and Sedative Drugs," Dr. Walter Compton, Miles Laboratories, Inc., Elkhart, Ind.

"A Progress Report on the Association's Fellowship at George Washington University," Dr. Lloyd W. Hazleton.

"Crude Drug Situation," S. B. Penick, of the S. B. Penick Company, New York.

—*Continued on page* 37

Closing Markets

London Closing Cable

LONDON, May 2, 1941.

Quotations on beeswax were 205s. per hundredweight. Carnauba wax, 445s. per hundredweight. Quicksilver, £48 to £50 per flask.

Cottonseed Oil Firmer

Refined cottonseed oil futures were firmer Friday in company with lard. Commission houses and local traders bought. Closing prices were about 10 points higher for the day and 30 higher for the week. Crude oil was firm in Southern markets with offerings light. Soybean oil was firmer. Tenders on May cottonseed oil contracts for the month thus far 105. An increased demand was reported for cash refined cottonseed oil at firmer prices.

Corning Grade Oil Up

Corning Grade Pennsylvania crude oil was advanced 7c. per barrel to $1.24 by prominent buyers last week.

Helium Production Increase Planned

OPD Washington Bureau
May 1, 1941

Construction of an additional helium production unit at the government-owned helium plant in Amarillo, Texas, to increase the total capacity to 36,000,000 cubic-feet a year will be undertaken with funds contained in the Department of the Interior appropriation bill, now pending before the house. The measure also carries funds for the drilling of three additional wells in the Cliffside gas field and laying gathering lines required to supply gas for three-unit operation.

During hearings on the bill, Dr. R. R. Sayers, director of the Bureau of Mines, told the house appropriations committee that the expansion has been urgently requested by the army and the navy to meet estimated needs during the coming fiscal year. Present capacity of the Amarillo plant, Dr. Sayers said, is 24,000,000 cubic-feet, and it is estimated that for the fiscal year 1942 demand will reach approximately 26,000,000 feet, while the demand during 1943 will reach 29,000,000 feet.

Trucking Association Gets A.T.A.E. Prize

OPD Washington Bureau
May 1, 1941

The award for outstanding trade association achievement during the past year was presented to the American Trucking Association this week by Wayne C. Taylor, Under-Secretary of Commerce at the annual meeting of the American Trade Association Executives.

Mr. Taylor presented the award on behalf of Secretary of Commerce Jesse H. Jones, who was unable to be present. He stated that the special achievement of the American Trucking Association was in the effective combatting of discriminatory legislation, and the carrying on of a national advertising and public relations campaign which was tied up with the recently awakened public interest in interstate trade barriers.

Honorable mention was made of six other trade associations:—The American Meat Institute, the American Paper and Pulp Association, the Institute of Boiler and Radiator Manufacturers, the Institute of Distribution, the New York Employing Printers Association, and the Rocky Mountain Electrical League.

Insulin Manufacturers Plead Not Guilty

OPD Washington Bureau
April 28, 1941

The three drug corporations and their officers indicted March 31 on charges of violating the antitrust laws in fixing the price of insulin have filed pleas of not guilty with the United States District Court for the District of Columbia. The court gave the defendants until June 24 to file preliminary motions, following which the case probably will be set for trial.

The corporations are Eli Lilly & Co., Sharp & Dohme, Inc., and E. R. Squibb & Sons.

Chemical Price Average Up

The general price level of the markets for heavy and fine chemicals was raised further last week when advances on iodine and antimony outweighed reductions on tin. Castor beans and oil got another boost, and the exiguity of starches was reflected in higher quotations.

With the exception of a few seasonal recessions the volume of business done was as big as it could be with available goods. Stringencies were leading to more or less mutual allocations and were making "premium prices" still more prevalent. Potential exporting was blocked by the same influence.

Prices were advanced on resublimed iodine, iodide of potash, Chinese needle antimony, castor beans, castor oil, potato starch, sago flour, tapioca flour, sulphonated tallow oil, wattle bark, domestic and Argentine casein, gum rosin, domestic egg albumen, imported egg yolk, imported steamed bonemeal, and menhaden meal at Baltimore.

Prices were reduced on Straits tin, tetrachloride of tin, molybdate of soda, X-ray subcarbonate of bismuth, gum turpentine, and hoofmeal and feeding tankage at Chicago.

The REPORTER'S composite index number of prices for heavy and fine chemicals was elevated to a new high, 132.0 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER'S index number is now 93.5, compared with 91.2 at this time last year and 89.0 in 1939.

Contents of This Issue

News and Statistics

Argentina Export Co. Formed..... 5
Armstrong Cork Forms New Unit... 56
Allied Chemical Sales Up..... 33
Abietic Acid Esters Uses..... 58
American Standards List Ready..... 63
A.C.S. Papers..... 61
Alcohol Tax..... 3
Aluminum Powder Users Rated by OPD 45
Amer. Smelting Appeals..... 45
Anhydrous Ammonia Booklet..... 34
Antitrust Immunity Offered..... 3
Baker Quits Chem. Warfare..... 5
Beauty Counselors Mark Anniversary 56
Bragdon Heads N. Y. Prod. Club... 30
Breese Adds to Staff..... 34
Calcimine Sales..... 42
Carbon Monoxide Limits Set..... 30
Chem. Eng. Schools May Get Govt. Aid 32
Cleveland Paint Club to Mark 50 Years 42
C.D.I.C. Club Meeting..... 42
Chamber of Commerce Meeting.... 5
Clipper Leaves Glidden..... 45
Columbia Pharmacy Course..... 50
Continental Carbon Erects Tanks... 42
Chile Exposition..... 35
Columbia Gives Defense Course..... 5
Chicago Drug Club Party Set..... 49
Defense Unit Expands..... 5
Dollard Joins Uhe Co..... 32
Dunning Gets Fellowship..... 61
Drummond Naval Stores Head..... 58
Drums Subject to Export Rule..... 34
Drug Sales Analyzed..... 50
Effective Ass'n Functioning Essential (Donovan)..... 5
Eggleston Heads U.S.P..... 3
Fair Trade Act Repeal Scored..... 3
F.D.A. Changes Seizure Rule..... 5
F.H.A. Paint Labels..... 58
Golden Gate Club Meeting..... 42
Glyco Offers Esters..... 42
Galbraith Heads OPACS Unit..... 3
Hoback Heads Research..... 45
Hockenjos Observes Birthday..... 30
Horsfield on Reynolds Board..... 59
Industrial Sales Corp. Moves..... 61
Katz Talks on Oils..... 56
Koster Keunen to Make Ozokerite.. 45
Lacquer Sales Up..... 45
Loft, Inc., Merger..... 37
Louisville Paint Technicians Mill Grinding 42
Lubitz to Direct Sales..... 35
Meeting Vitamin A Needs (Hickman and Mees)..... 3
Metals Inventories Regulated..... 5
Millmaster to Sell for Berkeley.... 49
Muller Retires..... 34
Merck Delays Stock Offering..... 49
McK. & R. to Get New Board..... 3
McLaughlin Gormley King Sales Head C. L. Schroeder..... 34
Naugatuck Has New Fungicide..... 37
N. Y. Paint Club to Meet..... 42
N. Y. Paint Club Outing June 4.... 42
N. Y. Textile Chemists..... 35
Nickel Survey Completed..... 63
Origanum Oil Duty Determined.... 56
Paint Ass'ns to Meet..... 5
Paint Sales: March..... 39
Paint Credit Group Meets..... 42
Paint Dealers Endorse Fund..... 58
Pitts. Paint Technicians Meet..... 45
Prescott Offers Color Card..... 54
Priority Legalization Favored..... 5
Proprietary Ass'n to Meet..... 3
P. & G. Seeks Ban..... 61
'Quadrafos' Booklet..... 63
Revenue Returns..... 50
Rubber Manual..... 63
Saltcake Output Should Gain..... 54
Salt Packing Revised..... 33
Soda Chlorite Output Delayed..... 27
Sodium Silicate Booklet..... 63
Soybean Standards Parley Set..... 45
Squibb Wins Bowling Cup..... 49
Spain Gets Glycerin From Sulphur Olive Oil..... 49
Strategic Metals Output Costly..... 5
Sulfoguanidine Uses..... 50
TAPPI Papers..... 61
Tex. Sulphur Tax Hike Voted..... 59
Thiokol Adds Unit..... 34
Trucking Ass'n Gets Award..... 4
Tribble Promoted by M.M.&R..... 54
Tung Oil Ass'n Elects..... 5
Tysdal Secretary of Goldschmidt... 56
U. S. I. Buys Distillery..... 52
Voss St. Louis Club..... 58
Western N. Y. Club Meets..... 45

General Features

Advertisers' Index..... 63
Bids Wanted 64
Chemical Price Trends..... 4
Classified Advertisements..... 62
Closing Market Developments.... 4
Contracts Awarded..... —
Corporation Earnings..... 27
Dividends Declared..... —
Editorials 28
Foreign Trade Openings..... —
Foreign Trade Rules..... 61
Industrial Uses of Chemicals..... 51
Obituaries 30
OPD Forum..... —
Prices Current..... 7
Scientific, Professional Services... 58
Trade News Briefs..33, 38, 49, 59, 60
What You Can Use..... 38
Where You Can Sell..... 51

Market Reports

Botanical Drugs, Spices, Gums... 53
Coaltar Chemicals..... 36
Drugs and Fine Chemicals..... 47
Dyestuffs, Textile and Leather Chemicals 35
Essential Oils and Aromatics.... 55
Fertilizer Materials..... 59
Heavy Chemicals..... 31
Oils, Fats and Waxes..... 43
Paint, Varnish and Lacquer Materials 39
Petroleum Products..... 57

Shipping Information

Cargo Ship Arrivals..... —
Charters ..... —
Coastwise Shipments..... 63
Exports 63
Imports 62
Imports Detained 63

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OPD Forum

Outlet for Individual Opinion

(Anonymous communcations will not be recognized; but publication of a signer's name will be withheld at request.)

Spectrophotometric Vitamin Standard

The Editor,
OIL, PAINT AND DRUG REPORTER.
Sir:—

March 18 a questionnaire was sent to about sixty representative firms interested in the fish-liver oil industry, based upon certain proposals for standardizing the application of the spectrophotometric method of estimating vitamin A unitage in fish oils. We acknowledge with thanks the replies we have already received and urge those who have not yet returned their questionnaire to do so promptly.

The recent meeting in Chicago of the Federation of American Societies for Experimental Biology provided the occasion for an informal conference on this topic which was attended by thirty individuals representing twenty-three companies, plus a number of persons from various educational institutions, government laboratories, etc. All but a few of the companies represented had previously answered the questionnaire.

It is the purpose of this communication to report the consensus of opinions expressed in the returns thus far received and by those attending this conference.

With respect to proposal No. 1, recommending that all spectrophotometric estimations of vitamin A unitage of fish-liver oils be based upon the unsaponifiable extract, twenty-five definite replies were received, of which 52 percent were favorable, 16 percent opposed, and 32 percent qualified by limiting this recommendation to oils of lower potency, that is, less than 10,000, 15,000, or 20,000 units per gram.

—Continued on page 30.

Oil Industry Regulation Not Considered, Says Cole

OPD Washington Bureau
April 29, 1941

Legislation to force the railroads in the Southeast to permit the crossing of their rights-of-way by pipelines will be introduced in the house within the next week or ten days, it was revealed today by Representative William P. Cole, jr., of Maryland, chairman of the special oil investigating subcommittee of the house interstate and foreign commerce committee.

Following the adoption of a resolution by the house extending until January 3, 1942, the time during which the Cole committee may file its report, Mr. Cole stated that the committee does not contemplate recommending any Federal regulation of the petroleum industry at the present time. The committee has just returned from an inspection trip of the oil producing States in the South, during which it attended the meeting of the Interstate Oil Compact Commission at New Orleans. The committee is of the opinion that there is "no urgent necessity" for any regulatory legislation at this time, Mr. Cole declared. However, he added that the committee will hold itself in readiness at all times should conditions change.

Mining Loans Proposed To Develop Resources

OPD Washington Bureau
April 30, 1941

Authority for the Reconstruction Finance Corporation to make small mining loans for the purpose of financing preliminary development work would be granted under the terms of a bill (S. 1388) introduced in Congress by Senator Ernest W. McFarland of Arizona. Mr. McFarland introduced the measure for himself and a group of sixteen other Western senators.

The bill would amend the R.F.C. act to permit loans of up to $5,000 upon the security of a lien on ore or other mineral developed and an agreement to apply 10 percent of any returns from the mine to the repayment of the loan until it was fully repaid.

Metals Inventories Regulated by OPM

OPD Washington Bureau
May 1, 1941

A new form of inventory control was applied today to sixteen metals and classes of metals important in the defense program by E. R. Stettinius, jr., Director of Priorities of the Office of Production Management.

The order provides, in general, that shipments may not be made to customers in amounts which would increase customers' inventories to unnecessary levels, and it is accompanied by a requirement that both customers and suppliers must file sworn statements certifying compliance with the regulations.

The metals covered in the new inventory control system, all of which are to be added to the priorities' critical list, are:—

Antimony (used in storage battery plates, for cable covering, in bearing metals, and for hardening lead).

Cadmium (used as an alloy of copper, in electroplating, etc.).

Chromium (used in making stainless and other alloy steels; is largely imported).

Cobalt (valuable for the manufacture of high-grade steels).

Copper.

Ferrous alloys, all types (includes ferrotungsten, ferromanganese).

—*Continued on page* 38

Strategic Metals Output In U.S. Held Costly

OPD Washington Bureau
April 30, 1941

A thorough survey of the situation in the United States with respect to present and future supplies of strategic metals and minerals and current and prospective sources of supply was presented to a conference meeting on national resources and defense called by the United States Chamber of Commerce, today by Dr. John W. Finch, former director of the United States Bureau of Mines and consulting engineer, of New York.

Dr. Finch told the meeting that the seven strategic metals on the Army and Navy Munition Board's strategic materials list, can only be produced in this country at considerably higher metal prices than are now current. Before the present European war began, and prior to the start of the United States' defense program, he

—*Continued on page* 37

Columbia Offering Free Defense Training Courses

Tuition-free engineering defense training courses in the chemistry of explosives and metallurgical inspection have been approved by the United States Office of Education and will be given in the Columbia University School of Engineering. Designed to prepare men for work in explosives and loading plants as inspectors for the ordnance departments of the services and as technicians and operators in laboratories and plants engaged in the production, analysis, testing, control, and inspection of explosives, the studies in explosives will be divided into two sections.

Instruction in "Chemistry of Powder and Explosives A," consisting of one-hour lectures on three evenings from 6:30 to 7:30 p. m. followed by three hours of laboratory work, will begin on May 6. Citizens of the United States having two years of college chemistry, including general inorganic chemistry, and qualitative and quantitative analysis, or the equivalent, are eligible.

Completion of section A of this course or three years of college chem-

—*Continued on page* 37

Defense Contract Service Adds Four Managers

OPD Washington Bureau
April 30, 1941

The Defense Contract Service today issued a list of recent additions to its staff in the field. The appointees are as follows:—

Thomas S. McEwan, district manager at Chicago; Frank J. McDevitt, district manager at St. Louis; Robert R. West, district manager at Richmond, and M. F. McOmber, area manager at Pittsburgh.

Paint Associations To Meet in Chicago

The fifty-third annual meeting of the National Paint, Varnish and Lacquer Association will be held in Chicago October 29-31. Convention headquarters will be in the Drake hotel.

The National Paint, Varnish and Lacquer Association meeting will be immediately preceded by the annual convention of the Federation of Paint and Varnish Production Clubs on October 27-28. Headquarters for this meeting will also be in the Drake hotel.

Tung Oil Ass'n Elects C.R. Baldwin President

Gulfport, Miss., Apr. 30, 1941

C. R. Baldwin was elected president of the American Tung Oil Association at the final meeting of the annual convention. Mr. Baldwin, a resident of Fair Hope, Ala., succeeds J. B. Wight, Cairo, Ga. Earl Wallis, Valparaiso, Fla., was named vice-president, and E. C. Gay, Gulfport, Miss., was re-elected secretary and treasurer.

Following is the membership of the new board of directors:—Alabama, A. J. Demeree and C. R. Baldwin, both of Fair Hope; Florida, Earl Wallis, Valparaiso, and F. E. Landt, Ocala; Georgia, J. B. Wight, Cairo, and G. M. Cochran, jr., Bainbridge; Louisiana, D. T. Cushing, Bogalusa, and Frank Reedy, Franklinton; Mississippi, U. B. Parker, Wiggins, and L. O. Crosby, Picayune; Texas, H. M. Richter, Houston, and B. A. Steinhagen, Beaumont.

The meeting was told that tung fruit producers and millers who extract the oil are benefiting from a new quick

—*Continued on page* 45

Chemical Warfare Service Chief W.C. Baker Retires

OPD Washington Bureau
April 30, 1941

The War Department today announced that Maj. Gen. Walter C. Baker, chief of the Chemical Warfare Service, retired today from active duty at his own request. No successor has been named. Gen. Baker's four-year assignment as of the head of the unit would have expired May 24. He entered the Chemical Warfare Service in 1920, subsequently was commandant of the Chemical Warfare School, and was named chief of the Chemical Warfare Service in 1937.

Chamber of Commerce Asks Amicable Labor Relations

OPD Washington Bureau
May 1, 1941

Major problems confronting business and government in connection with the present national emergency and the defense program were considered by the nation's businessmen at the twenty-ninth annual meeting of the Chamber of Commerce of the United States here this week. Recommendations of the chamber included in the resolutions which were adopted at the closing session were as follows:—

Postponement of all government projects not directly related to defense with assurances to be made by the government that expansion of Federal manufacturing, merchandising, and other business operations necessary to the defense effort will cease with the emergency.

Labor-Management

Adoption of a program whereby a moratorium between labor and management would be declared against any disputes which might interrupt the free flow of materials to defense plants or the manufacture of all elements required for complete national defense.

Taxes

Curtailment by at least $2,000,000,000 in nondefense expenditures of the Federal government, simplification of the revenue system upon which new taxes are to be imposed and establishment of a stable, equitable, and workable system of taxation to permit better business planning for the future.

Petroleum Industry

Opposition to all proposals for control by a Federal agency of petroleum production and to all efforts to split the industry into separate parts, such as production, refining, transportation and marketing, in the interests of maintaing outstanding efficiencies developed by the industry in order that they may have their fullest effects for defense.

Foreign Trade

Preservation of as much as possible of our present foreign trade and development of a distinctive foreign-trade service in the government, with provision for liaison with all other Federal agencies having duties related to foreign commerce.

Tariff

Continuance of the procedure established by the "flexible" tariff for the adjustment of rates by administrative action within limits prescribed by Con-

—*Continued on page* 34

Zinc Institute Re-Elects Officers

Despite the urgent demand for zinc for national defense purposes, domestic mine output is expanding only at a slow rate, it was reported at the annual meeting of the American Zinc Institute, in session in Washington.

Mine production of recoverable zinc increased from 55,930 short tons in

Howard I. Young

December, 1940, to 59,684 tons in January, 1941, but declined to 54,583 tons in February, Bureau of Mines statistics showed.

The bureau reported that only a moderate increase was anticipated later in the year when a few mines that have been idle for several years will be brought into production.

—*Continued on page* 42

Priority Legalization Favored in Congress

OPD Washington Bureau
April 28, 1941

The house naval affairs committee today reported a bill to legalize all phases of the priorities system now in effect, only part of which is now supported by specific statutes.

Under the present law mandatory priority orders may be issued on direct army and navy contracts, and industry-wide priority control, as in the case of aluminum, is also authorized. The new bill will give legal authority to preference ratings, now issued on a basis of voluntary cooperation, for orders for Great Britain and for other government departments concerned with defense, and to subcontractors of primary defense contractors. It also authorizes control of scarce supplies and allocation of them among civilian uses, and permits the Office of Production Management to obtain information from producers and users as to supplies on hand.

One object of the bill is to remove the possibility of damage suits for

—*Continued on page* 56

Argentina Export Co. Formed by U.S. Interests

Buenos Aires, Apr. 30, 1941

An export corporation has been formed to develop the sale of certain Argentine products in the United States. The corporation, formed under the chairmanship of L. D. Welch, of the National City Bank of New York, has as its objective the sale of Argentine goods in the United States for the basic purpose of creating dollar exchange which would permit greater exports of American products to Argentina. In addition to Welch, nine other American business representatives are identified with the company, including R. D. Spradling, president of the Chamber of Commerce of the United States in Argentina.

Effective Association Functioning Essential to Private Enterprise

By John M. F. Donovan, Jr.

Trade Association Counselor

VIII. Associations Find New Trade Practice Programs in Consent Decrees

(Continued from April 28 issue)

Criminal Suit a Bar

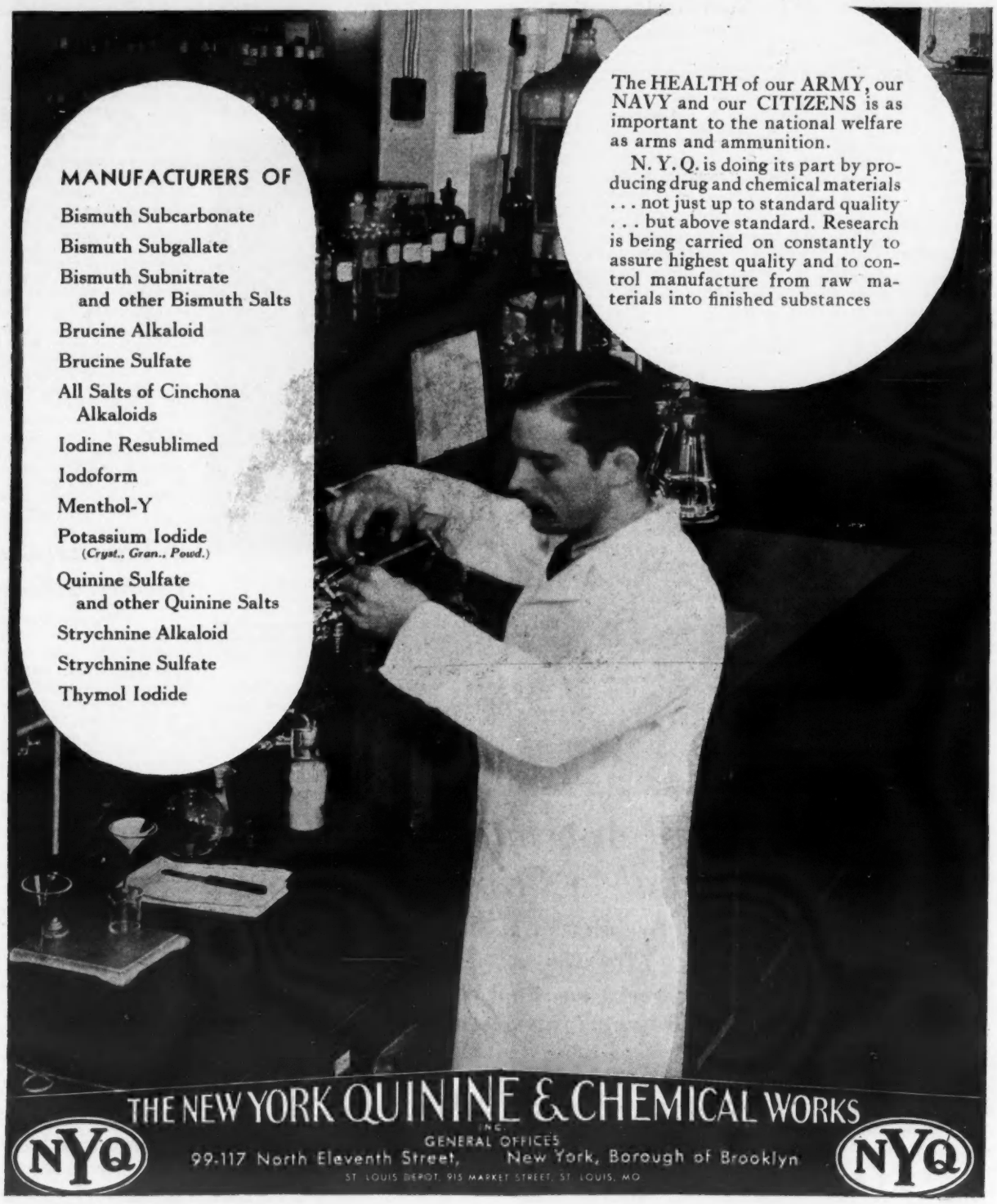
Where a civil case is pending, negotiations may be freely conducted at any stage of the litigation and there is no apparent reason why the government cannot suggest provisions which might be appropriate for inclusion by the defendants in any consent decree they may submit. Where a criminal proceeding is pending, however, the government's right to urge the inclusion of any particular provision in a consent decree offered for settlement of a concurrent civil suit is definitely limited. The criminal suit cannot be used to coerce any kind of consent decree. The government, therefore, cannot make compromises or engage in bargaining when a criminal case is pending concurrently in order to induce the inclusion of certain consent decree provisions in return for the concession of others.

If parties who have been indicted are, however, willing to offer constructive proposals which are in the public interest and which go beyond anything that might be achieved through successful criminal prosecution, the antitrust division can always receive and consider such proposals, and if it deems them in the public interest, can submit them to the court for consideration and approval as a basis for settlement of the controversy.

If the consent decrees which have been thus voluntarily proposed by the defendants are accepted by the government, they may be submitted to the court with the recommendations of the antitrust division and the department that the indictment be nolle prossed. The vital question in such a situation is whether or not the proposed consent decree goes far enough and succeeds in promoting the public

—*Continued on page* 60

One of the FIRST LINES OF DEFENSE is the MAINTENANCE OF HEALTH


MANUFACTURERS OF
Bismuth Subcarbonate
Bismuth Subgallate
Bismuth Subnitrate and other Bismuth Salts
Brucine Alkaloid
Brucine Sulfate
All Salts of Cinchona Alkaloids
Iodine Resublimed
Iodoform
Menthol-Y
Potassium Iodide (Cryst., Gran., Powd.)
Quinine Sulfate and other Quinine Salts
Strychnine Alkaloid
Strychnine Sulfate
Thymol Iodide
The HEALTH of our ARMY, our NAVY and our CITIZENS is as important to the national welfare as arms and ammunition.
N. Y. Q. is doing its part by producing drug and chemical materials . . . not just up to standard quality . . . but above standard. Research is being carried on constantly to assure highest quality and to control manufacture from raw materials into finished substances
THE NEW YORK QUININE & CHEMICAL WORKS INC.
GENERAL OFFICES
99-117 North Eleventh Street, New York, Borough of Brooklyn
ST. LOUIS DEPOT, 915 MARKET STREET, ST. LOUIS, MO.
NYQ
NYQ

Current Market Quotations

May 2, 1941

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, arabic).
Acetal, cbys., works....lb. 1.00 - 1.50
Acetaldehyde, 99%, dms., 55 and 110 gls., works..lb. .11 - —
5 and 10 gls., works....lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs. a year, works..lb. .36 - —
200-lb. lots, works....lb. .38 - —
100-lb. lots, works....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works....lb. .30 - —
100-lb. lots, works....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., cryst., bbls..lb. .29 - .31
powd., bbls....lb. .27 - .29
USP, cryst., bbls., 2,000-lb. lots, lb. .32 - —
smaller lots....lb. .33 - —
dms., 25-lb. lots....lb. .38 - —
kgs., 2,000-lb. lots....lb. .34 - —
smaller lots....lb. .36 - —
powd., bbls., 2,000-lb. lots..lb. .30 - —
smaller lots....lb. .31 - —
dms., 25-lb. lots....lb. .36 - —
kgs, 2,000-lb lots....lb. .31 - —
smaller lots....lb. .32 - —
Acetoacetanilide, dms....lb. .47 - .65
Acetone, CP, dms., c.l., dlvd..lb. .07½- —
l.c.l., dlvd....lb. .08 - —
tanks, dlvd....lb. .06 - —
Methyl (see M)
Acetonitrile, dms., works....lb. 1.00 - 2.00
Acetophenone, cns., 25 to 50 lbs., lb. 1.40 - 1.45
dms., 100 lbs....lb. 1.35 - 1.37
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs., dms....lb. 1.08 - —
25 lbs., dms....lb. 1.10 - —
Acid, abietic, dms., c.l., f.o.b. all points in U.S. E. of and including Kans., Neb., N.D., Okla., S.D., Tex. E. of Austin and Brownsville..lb. .08¾- —
l.c.l., same terms....lb. .09 - .12
Acetic, com'l or redist., 28%, bbls..100 lbs. 2.23 - 2.48
cbys., cs....100 lbs. 2.73 - 2.98
56%, bbls....100 lbs. 4.15 - 4.40
cbys., cs....100 lbs. 4.65 - 4.90
70%, bbls....100 lbs. 5.17 - 5.42
cbys., cs....100 lbs. 5.67 - 5.92
80%, bbls....100 lbs. 5.89 - 6.14
cbys., cs....100 lbs. 6.39 - 6.64
glacial, nat., CP, cbys.100 lbs.14.00 - —
99.5%, bbls....100 lbs. 7.62 - 7.87
l.c.l., same terms....lb. .09 - —
cbys. ....100 lbs. 8.12 - 8.37
tanks ....100 lbs. 5.00 - 5.50
USP, bbls....100 lbs.10.25 -10.50
cbys. ....100 lbs.10.75 -11.00
synth., 99.5%, al. dms.100 lbs. 8.43 - 8.68
tanks ....100 lbs. 5.50 - —
USP XI, al. dms..100 lbs.10.25 -11.00
CP, dms....100 lbs.13.50 -14.00
pure, 30%, bbls....100 lbs. 3.28 - 3.53
cbys., cs....100 lbs. 3.78 - 4.03
36%, bbls....100 lbs. 3.66 - 3.91
cbys., cs....100 lbs. 4.16 - 4.41
60%, bbls....100 lbs. 6.15 - 6.40
cbys., cs....100 lbs. 6.65 - 6.90
80%, bbls....100 lbs. 7.68 - 7.93
cbys., cs....100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply dlvd. at destination in the following States:—Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna. and Va. For all other States except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l., frt. alld..lb. .10½- .11½
l.c.l., dms., frt. alld....lb. .12 - .13
Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls.lb. .45 - —
standard, USP, fine crys., gran., 20 or 40 mesh, 200-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls. lb. .40 - —
Adipic, fib. dms., works....lb. .31 - —
Anthranilic, refd., bbls....lb. 1.15 - 1.20
tech., bbls....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs....lb. .20 - .22
Ascorbic, bots., dms....oz. 1.85 - 2.10
Battery, cbys., c.l., E. works, 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-25, E. works....100 lbs. 1.95 - —
1-9, E. works....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 —
1,000 to 3,900 lbs....lb. .44 - —
999 lbs. or less....lb. .47 - —
USP, bbls., 4,000 lbs. or more, lb. .54 - —
1,000 to 3,900 lbs....lb. .55 - —
999 lbs. or less....lb. .58 - .59
dms., 4,000 lbs. or more...lb. .55 - .56
1,000 to 3,900 lbs....lb. .56 - .57
99 lbs. or less....lb. .59 - .60
Boric, tech., 99.5%, gran., bulk, frt. alld..ton.93.50 - —
bgs., c.l., frt. alld...ton.96.00 - —
ton lots, ex-whse...ton.108.00 - —
less than ton lots, ex whse..ton.118.00 - —
bbls., c.l., frt. alld..ton.106.00 - —
ton lots, ex whse..ton.118.00 - —
less than ton lots, ex whse..ton.123.00 - —
Acid, boric, tech., 99.5%, powd., bgs., c.l., frt. alld. ton.101.00 - —
ton lots, ex whse..ton.113.00 - —
less than ton lots, ex whse..ton.118.00 - —
bbls., c.l., frt. alld..ton.111.00 - —
ton lots, ex whse..ton.123.00 - —
less than ton lots, ex whse..ton.128.00 - —
USP, $25 per ton higher.
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis....lb. .23 - —
tanks, same basis....lb. .21 - —
Broenner's, bbls....lb. 1.11 - —
Camphoric, cns....lb. 7.00 - —
Capric, dms....lb. .16 - .16½
Caproic, dms., works....lb. .25 - .30
Carbolic (see Phenol).
Caprylic, dms....lb. .17½- —
Castor oil, split, dms....lb. .16½- .17
Chlorosulphonic, dms., c.l., wks. lb. .0350- —
5-drum lots, works....lb. .04 - —
single drum....lb. .05 - —
tanks, works....lb. .03 - —
Chromic, 99%, dms., c.l., dlvd. N.Y..lb. .15¼- —
l.c.l., 5 tons, dlvd. N.Y. lb. .15¾- —
smaller quantities, dlvd. N.Y..lb. .16¼- .17¼
Cinnamic, refd., bots....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb lots, one shipt. lb. .20½- —
smaller lots....lb. .21 - —
anhydr., gran., dms., 10,000 lbs., one shipt..lb. .23 - —
smaller lots....lb. .23½- .26½

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N.Y. Chicago and St. Louis deliveries are ½c. higher than N.Y.

Cleve's bbls....lb. .65 - —
Coconut oil, dist., dms....lb. .13 - .13½
Cottonseed oil, dist., dms....lb. .09 - .09½
tanks ....lb. .08½- —
Cresylic (coaltar), high-boil 50%, 210°-215°, dms., c.l., works, frt. equald..gal. .68 - —
l.c.l., same basis....gal. .70 - —
special blends (50, 210°-215°), dms., c.l., works frt. equald..gal. .71 - —
l.c.l., same basis....gal. .73 - —
low-boil (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .68 - —
l.c.l., same basis....gal. .70 - —
special blends (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .71 - —
l.c.l., same basis....gal. .73 - —
imported, pale, dms...gal. .85 - .90
Cresylic (petroleum), high-boil (240°-300°), non-return dms., c.l., works, East U.S....gal. .48 - —
l.c.l., same basis....gal. .49 - .50
tanks, dlvd., East. U.S.gal. .439 - —
medium-boil (222°-249°), non-return dms., c.l., works, East, U.S..gal. .54 - —
l.c.l., same basis....gal. .55 - .56
tanks, dlvd., East. U.S.gal. .498 - —
Crotonic, 10 bbls. or more, works..lb. .26 - —
smaller lots, works....lb. 1.00 - —
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys., c.l., works..lb. .10½- —
l.c.l., 25 cbys. and over.lb. .11 - —
1-24 cbys....lb. 11½- —
Fumaric, bbls., 1-ton delivery..lb. .24 - —
smaller lots, bbls., dms...lb. .25 - .28
Gallic, tech., bbls....lb. .90 - .93
NF VI, bbls., 200 lbs., 5 or more..lb. 1.07 - —
smaller lots....lb. 1.10 - 1.12
fib. dms., 25 lbs....lb. 1.14 - 1.16
Gamma, bbls....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
100-lb kgs....lb. .15 - —
25 or 50-lb. demij....lb. .21 - .23
5-lb. bots....lb. .29 - —
H. bbls....lb. .45 - —
Hydriodic, 45-47%, cbys....lb. 2.42 - 2.44
5-lb. bots....lb. 2.57 - —
57%, bots....lb. 2.90 - —
Hydrobromic, 10% dilute, cbys., lb. .20 - —
concentrated, 34%, cbys....lb. .35 - —
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, 30%, bbls....lb. .06 - .06½
rubber, dms....lb. .08 - .08½
48%, lead, cbys....lb. .12 - —
rubber, dms....lb. .11 - —
52%, lead, cbys....lb. .13 - —
rubber, dms....lb. .12 - —
60%, lead, cbys....lb. .14 - —
rubber, dms....lb. .13 - —
Hydrofluosilic, 30-35%, 420 lbs., bbls..lb. .09 - .09¼
Hypophosphorus, USP, 30%, djns..lb. .75 - .80
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., works....100 lbs. 2.75 - —
cbys., works...100 lbs. 3.75 - —
44%, bbls., c.l., works.... 100 lbs. 5.50 - —
l.c.l., bbls., works.... 100 lbs. 5.75 - —
cbys., works...100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., works....100 lbs. 3.75 - —
cbys., works...100 lbs. 4.75 - —
Acid, lactic, tech., light, 44%, bbls., c.l., works.... 100 lbs. 6.50 - —
l.c.l., works....100 lbs. 6.75 - —
cbys., works...100 lbs. 7.75 - —
50%, edible, 20 or more, cbys..lb. .10½- .11¼
5 to 19 cbys....lb. .11 - .12
1 to 4 cbys....lb. .11½- .12½
plastic grade, bbls., cbys., 20 or more..lb. .12¼- .13½
5 to 10, cbys....lb. .12¾- .13¾
1 to 4, cbys....lb. .13¼- .14½
80%, bbls., cbys., 5 or more.lb. .21 - .22
1 to 4, cbys....lb. .21½- .22¼
USP, XI, 85%, cbys....lb. .42 - .45
USP, VIII, 75%, cbys....lb. .40 - .43
Lauric, dist., tech., dms....lb. .15 - .15½
Laurent's, bbls....lb. .45 - —
Linseed oil, light, dms....lb. .15 - .15½
Maleic, powd., dms....lb. .30 - —
anhydride, dms., c.l....lb. .25 - —
l.c.l. ....lb. .26 - —
Malic, powd., kegs....lb. .47 - —
Mandelic, dms., 1,000 lbs....lb. 2.05 - —
smaller lots....lb. 2.10 - 2.15
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit....lb. .0085- .009
Molybdic, kegs, works....lb. .95 - 1.10
Monochloracetic, tech., bbls..lb. .15 - .18
Monosulphonic, bbls....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E., works..100 lbs. 1.50 - —
l.c.l., 25 and over E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, works....100 lbs. 1.05 - —
20°, cbys., c.l., E. works. 100 lbs. 1.75 - —
l.c.l., 25 and over, works. 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works...100 lbs. 2.70 - —
tanks, works....100 lbs. 1.15 - —
22°, cbys., c.l., E. works. 100 lbs. 2.25 - —
l.c.l., 25 and over, works. 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works...100 lbs. 3.20 - —
tanks, works....100 lbs. 1.65 - —
CP, dealers, cbys....lb. .06½- —
6-lb. bots....lb. .17½- —
consumers, cbys....lb. .08 - —
6-lb. bots....lb. .19 - —
Myristic, dist., dms....lb. .18 - .18½
Naphthenic, dom., acidity 160 dms., c.l., works..lb. .06½ Nom.
l.c.l., works....lb. .07 Nom.
tanks, works....lb. .06 Nom.
220 min. acidity, dms., c.l., works..lb. .09 Nom.
l.c.l., works....lb. .09½ Nom.
tanks, c.l., works....lb. .08 Nom.
240 min. acidity, dms., c.l., works..lb. .10 Nom.
l.c.l., woks....lb. .10½ Nom.
tanks, works....lb. No prices
Nicotinic, 100-lb. cns....lb. 7.15 - —
50-lb. cns....lb. 7.25 - —
25-lb. cns....lb. 7.30 - —
5-lb. bots....lb. 7.46 - —
1-lb. bots....lb. 7.50 - —
Nitric, 36°, cbys., c.l., E. works. 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works. 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works...100 lbs. 5.85 - —
1 to 9, works...100 lbs. 6.45 - —
40°, cbys., c.l., E. works. 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works...100 lbs. 6.35 - —
1 to 9, works...100 lbs. 6.95 - —
42°, cbys., c.l., E. works. 100 lbs. 6.50 - —
l.c.l., 25 and over, works. 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works...100 lbs. 7.45 - —
CP, USP, dealers, cbys....lb. .11½- —
7-lb. bots....lb. .21½- —
consumers, cbys....lb. .13 - —
7-lb. bots....lb. .23 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs. or over....lb. .11 - —
smaller quantities....lb. .12 - .14
Palmitic, bgs....lb. .09¾- .10¼
Palm oil, white, dist., dms..lb. .09 - .09½
tanks ....lb. .08½- —
Paraminobenzoic, cns....lb. 1.40 - —
Paranitrobenzoic, cns....lb. .72 - —
Phenylacetic, bots....lb. 1.45 - 1.95
Phosphoric, ortho., tech., 50%, cbys..lb. .06 - —
75%, cbys....lb. .07½- —
USP, 85%, s. g., 1.710 cbys., 180 lbs..lb. .12 - —
50%, s. g., 1.347, cbys., 70 lbs..lb. .10½- —
dms., 25 lbs....lb. .13 - —
10%, dilut., cbys., djns...lb. .07 - .07½
Picramic, kgs....lb. .65 - .70
Picric, bbls....lb. .35 - —
Propionic, synth., pure, 55-gal. dms., returnable, works..lb. .14 - —
tanks, works....lb. .11 - —
Pyrogallic, tech., lump, powd., bbls..lb. 1.15 - —
cns. ....lb. 1.33 - —

Acid, pyrogallic, USP, cryst., cns..lb. 1.70 - 1.75
resub., cns....lb. 2.20 - 2.30
Pyroligneous, bbls., dlvd. E.gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
tech., dms., works....lb. .32 - .37
Salicylic, tech., bbls....lb. .33 - —
USP, bbls....lb. .35 - .38
Sebasic, CP, bbls., works....lb. No prices
tech., bbls., works....lb. No prices
Soybean oil, dist., dms....lb. .12½- .13
Stearic, dist., double pressed, bgs., dlvd..lb. .12¾- .13¾
single pressed, bgs., dlvd.lb. .12¼- .13¼
triple pressed, bgs., dlvd.lb. .15½- .16½
saponif., double pressed, bgs., dlvd..lb. .13 - .14
triple pressed, bgs., dlvd..lb. .15¾- .16¾
Succinic, bbls....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.63
tech., dms., works....lb. .17 - —
Sulphonaphthenic, yms....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E., works....ton.13.00 - —
66°, cbys., c.l., E. works, 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, E., works....ton.16.50 - —
98°, tanks, works....ton.17.50 - —
CP, USP, dealers, cbys....lb. .06½- —
9-lb. bots....lb. .15½- —
consumers, cbys....lb. .08 - —
9-lb. bots....lb. .17 - —
fuming, 20%, tanks, E. works. ton.18.50 - —
Tannic, tech., bbls., dms....lb. .54 - .56
USP, fluffy, bbls., 1,000-lb. lots..lb. .98 - —
100-lb. lots....lb. 1.00 - —
25-lb. lots....lb. 1.03 - —
powd., bbls., 1,000 lbs....lb. .88 - —
smaller lots....lb. .90 - —
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipt...lb. .63½- —
smaller quantities....lb. .64 - —
kgs. ....lb. .64½- —
Tobias, bbls....lb. .55 - .60
Trichloracetic, bots....lb. 2.00 - 2.50
Tungstic, CP, kgs., works...lb. No prices
Tungstic, CP, kgs., works...lb. No Prices
Aconite, leaves, bls....lb. .38 - .42
Root, bls....lb. .45 - .50
Aconitine, amorph., bots....oz.28.00 - —
vial ....vial 1.00 - —
cryst., bots....oz.42.00 - —
vial ....vial 1.00 - —
Acrylonitrille, dms., c.l....lb. .34½- —
5,000 lbs. or more....lb. .35 - —
1 ton to 4,999 lbs....lb. .35½- —
1 dm. to 1 ton....lb. .36 - —
tank cars....lb. .34 - —
Adeps lanae, anhyd., dms....lb. .19 - .20
hyd., dms....lb. .17 - .18
Agar, 1 bls....lb. 1.40 - 1.45
3, bls....lb. No prices
Agaric, white, bls....lb. No stocks
Albumen, blood, dark, flake, bgs., f.o.b. Chicago, frt. alld..lb. .13 - —
powd., grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis.lb. .18 - —
light, dom., flake, dms., f.o.b. Chicago, frt. alld...lb. .55 - .62
import, bgs....lb. No prices
Egg, ed., dom., cryst., bbls..lb. .85 - .90
powd., dms., bbls....lb. .90 - .95
import, cs....lb. No price
Alcohol, amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld..lb. .121 - —
l.c.l., frt. alld....lb. .131 - —
tanks, frt. alld....lb. .111 - —
normal, dms., l.c.l., works..lb. .25 - —
Tertiary, refd., dms., l.c.l., frt. alld..lb. .09 - —
Benzyl, cns....lb. .68 - —
drums ....lb. .63 - —
Butyl, normal, cns., works..lb. .14½- .16½
dms., c.l., frt. alld....lb. .10 - —
l.c.l., frt. alld....lb. .10½- —
tanks, frt. alld....lb. .09 - —
tankwagon, frt. alld....lb. .09½- —
secondary, dms., c.l., frt. paid E. of Miss. R..lb. .08¼- —
l.c.l., same terms....lb. .08¾- —
tanks, same terms....lb. .07¼- —
tertiary, denaturing, c.l., dms. lb. .12½- —
l.c.l., dms....lb. .13 - —
tanks ....lb. .11½- —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs....lb. 1.70 - —
100 lbs....lb. 1.80 - —
25 lbs....lb. 1.90 - —
5 lbs....lb. 2.00 - —
Cinnamic, bots....lb. 2.33 - 2.93
Denatured, CD14, dms., c.l., dlvd. E..gal. .36½- .38½
l.c.l., dlvd., dms....gal. .41½- .43½
tanks, E., dlvd....gal. .30½- .32½

Prices for territories other than E. of Rockies are 4c. per gal. in tanks, and 5c. per gal. in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SD1 190 pf., bbls., c.l., E. works..gal. .35 - —
19 bbls., E. works...gal. .37 - —

Alcohol—Benzylacetate

Alcohol, SD1, 190 pf., 1 to 18 bbls., E. works..gal. .40 - —
dms., c.l., E. works..gal. .38 - —
19 dms., E. works...gal. .35 - —
1 to 18 dms.....gal. .38 - —
tanks, E. works.....gal. .27 - —
Anhydrous 3c. per gal. higher.
SD2B, dms., c.l., works, E. gal. .30½- —
19 dms., works, E...gal. .32½- —
1 to 18 dms., works, E. gal. .35½- —
tanks, E. works.....gal. .24½- —
SD23G, works, E., c.l., dms., gal. .36½- —
19 dms.....gal. .38½- —
1 to 18 dms.....gal. .41½- —
tanks .....gal. .30½- —
Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in drums, higher.
Special solvent, dms., c.l., works..gal. .34 - —
20 dms., to c.l.....gal. .36 - —
1 to 19 dms.....gal. .39 - —
tanks, E. works.....gal. .28 - —
Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone-free, dms., c.l., dlvd..lb. .09½- .10½
l.c.l., dlvd.....lb. .10 - .11
tanks, dlvd.....lb. .08½- .09½
tech., dms., c.l., dlvd.....lb. .09 - .10
l.c.l., dlvd.....lb. .09½- .10½
tanks, dlvd.....lb. .08 - .09
Ethyl, 190 pf., ex. molasses, dms., c.l..gal. 6.02½- —
19 dms.....gal. 6.06 - —
5 to 8 dms.....gal. 6.09 - —
1 to 4 dms.....gal. 6.09 - —
tanks .....gal. 5.96½- —
absolute, dms., c.l.....gal. 6.37½- —
19 dms.....gal. 6.41 - —
5 to 18 dms.....gal. 6.44 - —
1 to 4 dms.....gal. 6.44 - —
Ethyl alcohol in bbls. 2c. higher than dms.
Grain alcohol 25c. gal. higher.
Ethylhexyl, dms., c.l., works..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .22 - —
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., 33,000 lbs., works, lb. .30 - —
l.c.l., 500 lbs. and more, works..lb. .35 - —
Isoamyl (see Carbinol Isobutyl).
Isobutyl, refd., dms., works..lb. .0790-
tanks, same terms.....lb. .0690- —
Isopropyl, refd., 91%, dms., 5 gals., f.o.b. dest..gal. .66½- —
55 gals., c.l., same basis, gal. .35 - —
l.c.l., same basis...gal. .40 - —
tanks, frt. alld.....gal. .30 - —
99%, dms., 5 gals., same basis..gal. .65 - —
55 gals., c.l., same basis, gal. .38 - .44
l.c.l., same basis...gal. .43 - .47
tanks, same basis.....gal. .33 - .37½
Methyl (see Methanol).
Phenylethyl, bots., cns.....lb. 2.10 - 2.50
Polyvenyl, type A, fiber-pack, 2,000 lbs. and over, f.o.b. cars, Niagara Falls..lb. .65 - —
less than 2,000 lbs.....lb. .70 - —
type B, fiber-pack, 2,000 lbs. and over, same basis..lb. .60 - —
less than 2,000 lbs.....lb. .65 - —
Propyl, normal, dms., works, gal. .70 - —
Octyl (see ethylhexyl alcohol).
Tetrahydrofurfuryl, dms., contract, f.o.b. Whiverly, N.Y.lb. .44 - —
450-lb. lots, same basis...lb. .50 - —
cns., f.o.b. Cedar Rapids, Ia., lb. .55 - —
Aldehol, denat., grade., dms., tanks, works..gal. .70 - .72
Aldehyde, bisulphite, bbls., dlvd., lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 95%, 55 and 110 gal. dms., c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5-10-gal. dms., works...lb. .15 - —
Aletris root, bgs.....lb. .39 - .40
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .67 - .69
Alpha tocopherol, ampules, per gram. 1.00 - 1.10
Aloe, Cape, cs.....lb. .18 - .19
Curacao, cs.....lb. .53 - .54
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .58 - .60
Aloin, 140-lb. bbls.....lb. 3.60 - —
100-lb. kgs.....lb. 3.62 - —
25-lb. fib. dms.....lb. 3.69 - —
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, USP, cube cut, bbls., lb. 1.20 Nom.
Alum, ammonia, burnt, USP., bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.50 - —
dlvd., N. Y., Phil...100 lbs. 3.50 - —
lump, bbls., works.....100 lbs. 3.75 - —
dlvd., N. Y., Phil...100 lbs. 3.75 - —
powd., bbls., works....100 lbs. 3.90 - —
dlvd., N. Y., Phil..100 lbs. 3.90 - —
Ammonia alum prices are for contract and open market: f.o.b. Philadelphia; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N. Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point, dlvd., N.Y. price apply to truck or ex warehouse.

Potash, gran., bbls., works.... 100 lbs. 3.75 - —
dlvd. N. Y., Phila...100 lbs. 3.75 - —
lump, bbls., works....100 lbs. 4.00 - —
dlvd., N. Y., Phila..100 lbs. 4.00 - —
powd., bbls., works....100 lbs. 4.15 - —
dlvd. N. Y., Phila..100 lbs. 4.15 - —
Potash alum prices on same basis as those for ammonia alum.

Potash, chrome, bbls.....lb. No prices
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100-lbs. 4.25 - 5.00
Alumina acetate, tech., basic, powd., insoluble, bbls., 10 or more, dlvd..lb. .35 - —
1 to 9, dlvd.....lb. .40 - —
smaller containers...lb. .50 - —
soluble, bbls., dlvd....lb. .33 - —
smaller containers, dlvd., lb. .45 - —
solut., 24%, bbls., c.l., dlvd..lb. .07¼- —
Alumina acetate, solut., 24%, l.c.l., 10 or over, dlvd. lb. .08¼- —
1 to 9 dlvd.....lb. .0863- —
normal, pwd., bbls., dlvd. lb. .33 - —
smaller containers, dlvd..lb. .35 - —
solut., 20%, bbls., c.l., dlvd..lb. .08 - —
l.c.l., 10 or over., dlvd. lb. .08½- —
1 to 9, dlvd.....lb. .09 - —
Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works..lb. .08 - —
12,000 to 40,000 lbs., works..lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 375 lbs., works.lb. .11 - —
100 lbs. or less, works.lb. .12 - —
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06½- .06¾
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Formate, 30%, solut., bbls., c.l., dlvd..lb. .13 - —
l.c.l. dlvd.....lb. .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls., works.....lb. .03½- —
bgs., c.l., works.....lb. .0260- —
light, bgs, c.l., dlvd.....lb. .12 - —
l.c.l., bgs., dlvd.....lb. .12½- —
bbls., c.l., dlvd.....lb. .12½- —
l.c.l., bbls., dlvd.....lb. .13 - —
Oleate, dms., contract.....lb. .17½- —
open order.....lb. .17½- .20
Palmitate, precip., bbls.....lb. .20½- .21½
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .18 - —
l.c.l. .....lb. .19 - —
Sulphate, com'l, bgs., c.l., works, frt. equaled..100 lbs. 1.15 - —
l.c.l., works, frt. equald.. 100 lbs. 1.40 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., works, frt. equaled. 100 lbs. 1.60 - —
iron free, bgs., c.l., works, 100 lbs. 1.60 - —
l.c.l., works.....100 lbs. 1.85 - —
bbls., c.l., works....100 lbs. 1.80 - —
l.c.l., works.....100 lbs. 2.05 - —
Aluminum, 98-99%, c.l.....lb. .17 - —
l.c.l. .....lb. .18 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .60½- —
ink, dms., 1,500 lbs.....lb. .70½- —
standard, dms., 1,500 lbs...lb. .37½- —
powder, lining, extra fine, dms., 1,500 lbs..lb. .91 - —
standard, dms., 1,500 lbs..lb. .57 - —
lithe, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs.lb. .44 - —
lining, dms., 1,500 lbs....lb. .57 - —
standard, dms., 1,500 lbs..lb. .39 - —
rubber compound, dms., 1,500 lbs..lb. .38 - —
unpolished, dms., 1,500 lbs. lb. .36 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .41 - —
extra fine, dms., 1,500 lbs.lb. .43 - —
standard, dms., 1,500 lbs..lb. .38 - —
Aluminum paste and powder prices are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c, per lb. higher for 2 lbs.; 8c. per lb. higher for 1 lb.; and 12c. per lb. for ½ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.

Ambergris, gray, tins.....oz.15.00 -25.00
Aminomethylpropanol, dms., wks., lb. .50 - —
5 and 10-gal. cans, works..lb. .60 - —
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.25 - —
Ammonia, acetate, bbls., kgs., dlvd..lb. .27 - .33
Aldehyde, dms., works.....lb. .65 - .70
Anhydrous, fertilizer, f. o. b. Belle, W. Va., frt. equal with Hopewell, Va..ton.90.00 - —
refrigeration, tanks, works, lb. .05 - —
pure, cycls., dlvd., met. N.Y., lb. .16 - —
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l.....lb. .02¼- —
l.c.l. .....lb. .02½- —
tanks (on NH_3 content), f.o.b. works..lb. .04 - —
Benzoate, dms., kgs., 4,000 lbs. or more..lb. .43 - —
1,000 lbs. to 3,900 lbs....lb. .44 - —
900 lbs. or less.....lb. .47 - —
Bicarbonate, dms., dlvd. Met. N. Y..lb. .0564- .0614
Bichromate, bbls.....lb. .30 - .32
Bifluoride, bbls.....lb. .14 - .16½
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .81 - —
bxs. .....lb. .34 - .35
kegs .....lb. .32 - —
Carbonate, lump, dms., dlvd. Met. N. Y..lb. .08¼- .09¼
cns., same basis.....lb. .14¼- —
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., 225-lb. bbls....lb. .12 - .13
100-lb. kgs.....lb. .15 - —
Citrate, 250-lb. bbls.....lb. .75 - —
100-lb. dms.....lb. .80 - —
25-lb. dms.....lb. .82 - —
25-lb. dms.....lb. .84 - .85
Fluoride, bbls.....lb. .17 - .19
Hydroxide (see Ammonia, aqua).
Hypophosphite, dms.....lb. 1.25 - 1.27
jars .....lb. 1.35 - —
Iodide, 5-lb. bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls., lb. .12 - —
Molybdate, kgs., works.....lb. 1.05 - 1.20
Nitrate, tech., bgs., works, 100 lbs. 4.35 - —
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, neutral, powd., bbls., kgs..lb. .19 - .25
pure gran.....lb. .27 - .29
Perchlorate, kgs.....lb. No stocks
Persulphate, kgs., dom.....lb. .21 - .22
Calcium, phosphate, dibasic, NF V, bls..lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
monobasic, crude (fert. grade), 11% N., 48% phos., bulk, f.o.b. E. works..unit-ton. No prices
pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
Salicylate, USP, kgs.....lb. 1.15 - 1.20
Silicofluoride, bbls.....lb. .11½- .15
Stearate, anhydrous.....lb. .24½- —
paste .....lb. .06½- —
Sulphate, dom., bulk, c.l., contr., f.o.b. cars, ports, Jan.- June shipt..ton.29.00 - —
spot, same basis.....ton.30.00 - —
Ammonia sulphate prices are $1 per ton less than above prices f.o.b. cars nearest inland producing oven.

Sulphide, liquid, 40-45%, basis, 100%, dms., c.l., works, lb. .07½- —
l.c.l., dlvd.....lb. .15 - —
tanks, dlvd.....lb. .07½- —
red, 48%, cbys, works.....lb. .08 - —
dms., works.....lb. .06 - —
yellow, 33%, cbys, works..lb. .08 - —
dms., works.....lb. .06 - —
Sulphocyanide, pure, 99-100%, kgs..lb. .65 - —
tech., kgs.....lb. .40 - —
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l. 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works..100 lbs. 4.45 - —
l.c.l., same basis...100 lbs. 5.15 - —
import, csks.....100 lbs. No prices
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .11¼- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10¼- —
cns., works.....lb. .16 - .18
ex Pentane, dms., c.l., frt. alld..lb. .115 - —
l.c.l., frt. alld.....lb. .125 - —
tanks, frt. alld.....lb. 10½- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .0565- —
l.c.l., works.....lb. .0665- —
tanks, works.....lb. .0465- —
Naphthalenes, mixed, crude, l.c.l., dms., works..lb. .15 - —
refd., l.c.l., dms., works..lb. .17½- —
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .25 - —
Salicylate, 5 lbs., bots.....lb. .65 - —
cns. .....lb. .52 - .55
Stearate, dms., l.c.l., works..lb. .26 - —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.10 - 1.15
Angelica root, dom., bls.....lb. .35 - .40
import., natural, bls.....lb. 1.75 - 1.80
twisted, bls.....lb. 1.95 - 2.00
Angostura bark, bls.....lb. .30 - .35
Anilin oil, dms.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14¼- —
Salt, dms., works.....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. .30 - .31
Cyprus, bgs.....lb. .29 - .29½
Mexican, bgs.....lb. No stocks
Star .....lb. .21 - .21½
Anisic aldehyde, bots.....lb. 2.60 - 2.75
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06 - .06½
Anthracene, 80-85%, bbls., wks., lb. .55 - —
90%, bbls., works.....lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. 85 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .14 Nom.
Needle, brown, Bolivian, 67%, lb. .16 - —
Chinese, black, 70%.....lb. .22 Nom.
Oxide, bgs., c.l., dlvd.....lb. .12 - .13
l.c.l., dlvd.....lb. .13½- .14½
Salt, 65%, dms.....lb. .28 - —
bbls. .....lb. .36 - —
White pigment, bgs.....lb. .11½- .14½
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz.23.20 -23.70
Archil extract, con., bbls.....lb. No prices
double, bbls.....lb. No prices
triple, bbls.....lb. No prices
Areca nuts, powd., bbls.....lb. .12 - .13
Arecoline hydrobromide, bots..oz. 6.00 - 7.10
Argols, test 70% to 85%, basis 100%, 100 kgm., purity.... 100 kilos. No prices
Arnica flowers, bls.....lb. 5.00 (Nom.
Root, bls.....lb. 1.25 Nom.
Arrowroot, St. Vincent, powd., bgs..lb. .09 - .09½
bbls. .....lb. .09½- .10
Arsenic, metal, lump, cs.....lb. No prices
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots..lb. 5.58 - —
jars .....lb. 5.42 - —
Red, import, cs.....lb. No prices
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03½- —
l.c.l. .....lb. .04½- —
Asafetida, cs.....lb. .36 - .37
powd., bbls., bxs.....lb. .54 - .55
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton.42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton.40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton.30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton.26.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton.24.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton.20.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton.17.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton.15.00 - —
Asphaltum, Manjak No. 10, crude, tons, f.o.b. plant..lb. .04½- —
smaller lots, f.o.b. plant. lb. .05½- —
process form, bgs., 20 tons, f.o.b. plant..lb. .05 - —
smaller lots, f.o.b. plant. lb. .06 - —
Asphaltum, California, dms., c.l., f.o.b. N. Y..ton.20.00 - —
l.c.l., f.o.b. N. Y.....ton.36.50 - —
Cuban A, bgs., c.l., f.o.b. N.Y. ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l., f.o.b. N. Y. lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, selects, bgs., c.l., Western shipt. point..ton.82.90 - —
seconds, bgs., c.l., Western shipt. points..ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.30.50 - —
l.c.l., f.o.b. N. J. or N. Y., whse..ton.58.00 - —
jet, bgs., c.l., Western shipping points..ton.30.50 - —
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery.....ton.21.00 - —
tanks, refinery.....ton.16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .13 - —
dms., c.l., E. cst., refinery. gal. .12 - —
petroleum, cut-back, tanks, Calif., refinery.....ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N. Orleans, refinery...gal. .06 - —
Atropine, bots.....oz.10.00 -10.25
Sulphate, bots.....oz. 9.00 - 9.25

B

Balm of Gilead buds, bgs.....lb. .40 - .45
Barberry bark, bgs.....lb. .55 - .60
Tree bark, bls.....lb. No prices
Barbital, cs.....lb. 3.50 - 3.60
sodium, cs.....lb. 3.75 - —
Barium carbonate, natural, 90% thru 200 mesh, bgs., c.l., works..ton.43.00 - —
precip., bgs., c.l, works..ton.45.00 - —
l.c.l., works.....ton.50.00 - —
bbls., c.l., works.....ton.50.00 - —
l.c.l., works.....ton.55.00 - —
Sulphur-free, c.l., works..ton.50.00 - —
l.c.l., works.....ton.55.00 - —
Chlorate, kgs.....lb. .45 Nom.
Chloride, CP, cryst., bbls....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., dom., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Miss., north of Ark. line .....ton.77.00 - —
bbls., same basis...ton.79.00 - —
l.c.l., bgs., same basis, ton.90.00 - —
bbls., same basis..ton.92.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla., ton.81.00 - —
bbls., same basis..ton.83.00 - —
l.c.l., bgs., same basis, ton.94.00 - —
bbls., same basis..ton.96.00 - —
Zone 3, bgs., c.l., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz., ton.87.00 - —
bbls., same basis..ton.89.00 - —
l.c.l., bgs., same basis, ton.100.00 - —
bbls., same basis..ton.102.00 - —
Zone 4, bgs., c.l., dlvd., Wash., Ore., Calif., Nev..ton.83.00 - —
bbls., same basis..ton.85.00 - —
l.c.l., bgs., same basis, ton.96.00 - —
bbls., same basis..ton.98.00 - —
Dioxide, dms., c.l., works...lb. .10 - —
l.c.l., same basis.....lb. .12 - .13
Fluoride, bbls.....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .05½- .07
Iodide, bots.....lb. 4.77 - —
jars .....lb. 4.62 - —
Monoxide (see Oxide).
Nitrate, cks.....lb. .09½- .10½
Oxide, ungrd., dms., c.l., works, lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works....lb. .11 - .15
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .12 - .16
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.25.15 - —
l.c.l., same basis.....ton.26.15 - —
paper bags, c.l., St. Louis. ton.22.85 - —
l.c.l., same basis.....ton.23.85 - —
ex whse., New York....ton.31.50 - —
Southern, off color, bulk mines, ton.12.00 - —
95.75%, bulk mines.....ton.16.00 - —
ore, bulk mines.....ton. 7.00 - —
Cuban, crude, c.l., c.i.f.....ton.11.00 - —
German, grd., bbls., c.l., dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices
ungrd., bulk, c.l., ex dock.ton. No prices
Italian, grd., bbls., c.l., ex dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices
Bauxite, bulk mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Bay rum, import, bbls.....lb. .82 - .90
Bayberry bark, bgs.....lb. .14 - .15
Belladonna leaves, bls.....lb. 1.75 - 1.80
Root, bls.....lb. 2.00 Nom.
Bentonite, 200 mesh, bgs., Wyo., works..ton.11.00 - —
325 mesh, bgs., Wyo., works, ton.16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .45 - .55
N.F. VI, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzol, 90%, dms., returnable, works..gal. .19 - —
tankcars, frt. alld. E. of Omaha, gal. .14 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .14 - —
Benzophenone, dms.....lb. 85 - 1.00
Benzoyl chloride, cbys.....lb. .23 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.05 - —
Benzyl acetate, f.f.c., cans....lb. .49 - —
dms. .....lb. .44 - —

Benzyl alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cans..lb. .84 - —
dms. ..... .80 - —
Chloride, 95.97%, refd., dms., lb. .19 - .21
Cinnamate, cns.....lb. 4.15 - 5.50
Formate, cns.....lb. 2.75 - 3.50
Propionate, bots.....lb. 2.00 - 2.25
Salicylate, bots.....lb. 1.45 - 1.60
Benzylidineacetone, bots.....lb. 2.00 - 2.50
Berberine bisulphate, cns.....lb. 17.75 -18.00
Hydrochloride, cns.....lb. 17.75 -18.00
Sulphate, cns.....lb. 17.75 -18.00
Berberis root, bls.....lb. .12 - .13
Betanaphthol, sublim., kgs.....lb. .55 - —
tech., bbls., c.l., works....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib. dms.....lb. 2.50 - —
kgs. .....lb. 2.70 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .19 - .21
Bismuth chloride, 5-lb. bots...lb. 3.00 - —
jars .....lb. 2.65 - —
Citrate, USP, VIII, 5-lb. bots., lb. 2.80 - —
jars .....lb. 2.75 - —
Hydroxide, 5-lb. bots.....lb. 3.46 - —
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., 5-lb. bots....lb. 1.45 - —
cns. .....lb. 1.90 - —
Oxychloride, 5-lb. bots.....lb. 3.19 - —
cns., kgs.....lb. 3.10 - —
Subbenzoate, 5-lb. bots.....lb. 3.51 - —
fib. dms.....lb. 3.40 - —
Subcarbonate, bots., cns.....lb. 1.59 - 1.85
175-lb. bbls.....lb. 1.50 - —
X-ray, 5-lb. bots.....lb. 2.79 - —
fib. dms.....lb. 2.73 - —
Subgallate, bots., cns.....lb. 1.49 - 1.72
fib. dms.....lb. 1.40 - —
Subiodide, bots.....lb. 4.24 - —
fib. dms.....lb. 4.13 - —
Subnitrate, powd., bots., cns.lb. 1.29 - 1.37
250-lb. bbls.....lb. 1.20 - —
Subsalicylate, 60-66%, bots...lb. 2.59 - —
bbls., fib. dms.....lb. 2.50 - —
Sulphocarbolate, 5-lb. bots...lb. 3.76 - —
fib. dms.....lb. 3.65 - —
Trioxide, powd., 5-lb. bots...lb. 3.76 - —
cns. .....lb. 3.65 - —
Bismuth-ammonia, citrate, USP, powd., 25-lb. dms..lb. 3.40 - —
5-lb. cns.....lb. 3.45 - 3.50
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .17 - —
l.c.l., frt. alld. E.....lb. .17½- —
3, bbls., bgs., c.l. frt. alld. E., lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
4, bbls., c.l., frt. alld. E..lb. .09½- —
l.c.l., frt. alld. E.....lb. .10 - —
5, bbls., bgs., c.l., frt. alld, E., lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
6, bbls.. bgs., c.l., frt. alld. E., lb. .06½- —
l.c.l., frt. alld. E.....lb. .07 - —
7, bbls., bgs., c.l., frt. alld. E., lb. .10 - —
l.c.l., frt. alld. E.....lb. .10½- —
8, bbls., bgs., c.l., frt. alld. E., lb. .11 - —
l.c.l., frt. alld. E.....lb. .11½- —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, regular, uncompressed, bgs., c.l., f.o.b. plants..lb. .03325- —
f.o.b. North Atlantic ports..lb. .0430- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .07¼- —
dlvd..lb. .07¼- —
beads, compressed, bgs., c.l., f.o.b. plants..lb. .03175- —
f.o.b. North Atlantic ports..lb. .0415- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .06¾- —
dlvd..lb. .06¾- —
bulk, cars, c.l., f.o.b. plants, lb. .03 - — *
f.o.b. New York harbor..lb. .0397- —
All carbon black prices are for delivery in March.
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, pure, bbls., l.c.l., works..lb. .08¾- —
2, bbls., l.c.l., works.....lb. .08 - —
Ivory, genuine, bbls.....lb. .30 - —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
vine, A, bbls., works or N.Y., lb. .04¼- —
B, bbls., works or N. Y..lb. .05½- —
works..lb. .13½- .15½
dms., c.l., frt. alld.....lb. .09 - —
Black dyes are listed under Dyes.
Black Haw, root bark, bls.....lb. .40 - .45
Tree bark, bls.....lb. .16 - .17
Black Indian hemp root, bls..lb. .22 - .23
Blanc fixe, dry, by-product, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
direct process, bgs., c.l., works, frt. equaled..ton.70.00 - —
l.c.l., same basis..ton.75.00 -90.00
pulp, 66%%, bbls., c.l., works. ton.35.00 - —
l.c.l., works.....ton.42.50 - —
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 3.25 - —
high-grade, gr., 16-17 ammon., bulk, f.o.b. Chicago, unit-ton. 3.50 - —
import, bgs., c.i.f. ports, shipt..unit-ton. 3.10 - —
soluble (see Albumen, blood).
Bloodroot, bls.....lb. .11 - .12
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .80 - .85
Alkali blue toner prices are ¼c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.) Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Blue, bronze, bbls., same basis, contracts..lb. .33 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, contracts..lb. .33 - —
Cobalt, genuine, 1-kilo pkg..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.30 - 3.75
Milori, bbls., same basis, contracts..lb. .33 - —
Molybdated, Victoria, same basis, contracts..lb. 3.15 - —
Peacock, concentrated, same basis, contracts..lb. .52 - —
regular, same basis, contracts, lb. .35 - —
Potash, dom., bbls., same basis, contracts..lb. .42 - —
Prussian, bbls., same basis, contracts..lb. .33 - —
Tungstated, peacock, kgs....lb. 3.75 - —
Victoria, kgs.....lb. 3.15 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equald..lb. .22 - .24
jobbing grades, bbls., same basis..lb. .11 - —
regular grades, bbls., same basis..lb. .16 - .27
Blue, ultramarine, dlvd., ex whse., is 1c. higher; Pac. Coast, ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 28-lb. boxes, 5c. above bbls.
Victoria, ink toner, bbls., same basis, alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Blue mass, USP, cns., tubs....lb. 1.67 - 1.84
powd., bots., cns., dms.....lb. 1.70 - 1.84
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.34.00 - —
import, bgs., c.i.f. ports..ton.35.00 - —
meal, steamed, dom., 3% ammon., 50% phos., bgs., f.o.b. Chicago..ton.34.00 -35.00
import, bgs., c.i.f. ports..ton.35.00 - —
Phosphate, precip. (see Calcium phosphate dibasic, precip.).
steamed, dom., 1¼% ammon., 60% phos., bgs., f.o.b. Chicago..ton.40.00 - —
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.40.00 - —
Boneset leaves, bls.....lb. .08½- .09
Borage flowers, bls.....lb. .45 - .48
Borax, tech., 99½% gran., bulk, c.l., frt. alld..ton.40.50 - —
bgs., c.l., frt. alld.....ton.43.00 - —
ton lots, ex whse...ton.54.00 - —
less than ton lots, ex whse..ton.59.00 - —
bbls., c.l., frt. alld....ton.53.00 - —
ton lots, ex whse....ton.64.00 - —
less than ton lots, ex whse..ton.69.00 - —
powd., bgs., c.l., frt. alld... ton.48.00 - —
ton lots, ex whse....ton.59.00 - —
less than ton lots, ex whse..ton.64.00 - —
bbls., c.l., frt. alld...ton.58.00 - —
ton lots, ex whse....ton.69.00 - —
less than ton lots, ex whse..ton.74.00 - —
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. and over, no trucking or freight allowances for works or warehouse pick-ups.
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - —
single pkg., same basis..lb. .30 - —
Bromoform, USP, 100-lb. lots, bots..lb. 1.50 - —
cbys. .....lb. 1.42 - —
Bromstyrol .....lb. 3.25 - 4.00
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs..lb. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .43 - .50
Broomtops, bls.....lb. .15 - .16
Brown, iron oxide, pure precip., cks., f.o.b. N.Y..lb. .11½- —
Metallic, iron oxide, bbls., wks., lb. .02¼- —
paper bgs., c.l., works.....lb. .0210- —
Sienna, burnt, American, bbls., f.o.b. works..lb. .03¾- —
Italian, Group 1, bbls., f.o.b. N.Y. or Pa. points..lb. .13 - —
2, bbls., same basis....lb. .12 - —
3, bbls., same basis....lb. .11 - —
4, bbls., same basis....lb. .09½- —
5, bbls., same basis....lb. .09½- —
6, bbls., same basis....lb. .09 - —
7, bbls., same basis....lb. .08¾- —
8, bbls., same basis....lb. .08½- —
9, bbls., same basis....lb. .08 - —
10, bbls., same basis....lb. .08 - —
11, bbls., same basis....lb. .07½- —
12, bbls., same basis....lb. .07 - —
13, bbls., same basis....lb. .06¾- —
14, bbls., same basis....lb. .06¼- —
Raw, American, bbls., f.o.b. works..lb. .02½- —
Italian, Group 1, bbls., f.o.b. N.Y. or works....lb. .13¼- —
2, bbls., same basis....lb. .12 - —
3, bbls., same basis....lb. .12¼- —
4, bbls., same basis....lb. .10¼- —
5, bbls., same basis....lb. .10¼- —
6, bbls., same basis....lb. .09½- —
7, bbls., same basis....lb. .09½- —
8, bbls., same basis....lb. .08 - —
9, bbls., same basis....lb. .07¼- —
10, bbls., same basis....lb. .06¾- —
11, bbls., same basis....lb. .05¾- —
umber, American, bbls., works..lb. .03½- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N.Y..lb. .04¾- —
St. Louis.....lb. .05¼- —
l.c.l., ex car Los Angeles, Portland, San Francisco, Seattle..lb. .05½- —
ex whse. Los Angeles, Portland, San Francisco, Seattle..lb. .05¾- —
Boston .....lb. .04¾- —
Chicago, Indianapolis, New Orleans..lb. .05¼- —
Kansas City.....lb. .05¾- —
Minneapolis .....lb. .0535- —
Pittsburgh .....lb. .05 - —
Vandyke, bbls., l.c.l.....lb. No prices
Walnut crystals, bbls.....lb. .06½- —
Brucine, 100 oz., cns.....oz. .15 - —
Sulphate, 100 oz., cns.....oz. .12 - —
Bryonia root, bls.....lb. .28 - .30
Buchu leaves, bls.....lb. .55 - .56
Buckthorn bark, true, bls.....lb. No prices
cut and sifted, bbls.....lb. .85 - .90
Berries, bgs.....lb. .35 - .40
Burdock root, bls.....lb. .40 - .45
Burgundy pitch, dom., dms...lb. .06 - .06½
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., cns., wks. lb. .14½- .16½
dms., c.l., frt. alld.....lb. .10 - —
l.c.l., frt. alld.....lb. .10½- —
tanks, frt. alld.....lb. .09 - —
tankwagons, frt. alld...lb. .09½- —
secondary, dms., c.l., frt. pd. E. of Miss. R..lb. .08½- —
dms., l.c.l., same terms.lb. .08¾- —
tanks, same terms.....lb. .07½- —
Alcohol (see Alcohol).
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- .17½
tanks, works.....lb. .14½- —
Carbonal, secondary, l.c.l., dms., works..lb. .60 - —
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l. .....lb. .23 - —
Crotonate, normal, 55-gal. dms., works..lb. .35 - —
1-gal. cns., works.....lb. 1.00 - —
5-gal. cns., works.....lb. .75 - —
Ether (see under Ether).
Lactate, dms.....lb. .23½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .28½- —
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —
Butane, coml., 16-34°, tanks, group 3..gal. .02½- .03

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.65 - —
single jars.....lb. 1.70 - —
5-lb. bots.....lb. 1.84 - —
Cyanide, 25-lb. bots., dlvd...lb. 3.00 - —
25-lb. cks., dlvd.....lb. 3.50 - —
Iodide, 5-lb. bots.....lb. 4.23 - —
25-lb. cans.....lb. 4.09 - —
Lithopone (see Yellow).
Metal, pat., shapes, cs.....lb. .95 - —
ingots or sticks.....lb. .90 - —
Red (see Red).
Selenide (see Red).
Sulphite (see Yellow).
Caffeine, 10,000 lbs. or more, 100 lb. dms..lb. 2.60 - —
25 lb. dms.....lb. 2.63 - —
10 lb. cns.....lb. 2.65 - —
2,000 lbs. or more, 100-lb. dms. lb. 2.63 - —
25 lb. dms.....lb. 2.68 - —
10 lbs. cns.....lb. 2.70 - —
1,000 lbs. or more, 100-lb. dms., lb. 2.70 - —
25 lb. dms.....lb. 2.73 - —
10 lb. cns.....lb. 2.75 - —
100 lbs. or more, 100-lb. dms.lb. 2.80 - —
25 lb. dms.....lb. 2.83 - —
10 lb. cns.....lb. 2.85 - —
less than 100 lbs., 10-lb. cns., lb. 3.15 - —
Citrated, bots.....lb. 2.80 Nom.
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .25 - .80
Calamus root, peeled, N. F., cs., lb. No prices
bleached, bls.....lb. 1.00 - 1.25
Calcium acetate, bgs., dlvd., 100 lbs. 1.90 - —
Arsenate, bgs., c.l.....lb. .06½- —
l.c.l. .....lb. .06¾- —
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 90 lbs. or over; no frt. or truck allowances for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .65 - —
50 lbs., works.....lb. .67 - —
25 lbs., works.....lb. .70 - —
Carbide, dms., c.l., dlvd. 100 lbs. 4.75 - —
l.c.l., f.o.b. warehouse, 100 lbs. 4.85 - —
Carbonate (see Chalk and Whiting).
Chloride, flake, dms., 77-88%, dms., c.l., dlvd..ton.20.50 -35.00
l.c.l., 1 ton or more, dlvd., 100 lbs. 1.63 - 2.35
liquor, basis 40%, tanks, wks., ton. 7.50 - —
solid, dom., 73-75%, dms., c.l., dlvd..ton.19.00 -33.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.53 - 2.25
Gluconate, USP, gran., 150-lb. bbls...lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .68 - .85
Powd., 2c. per lb. higher.
Glycerophosphate, fib. dms.... 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
Hypophosphate, cns.....lb. .62 - .65
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls., 200 lbs..lb. .24 - .25
Mandelate, dense, dms.....lb. 2.05 - —
fluffy, dms.....lb. 2.05 - —
Nitrate, bgs., to fert. mfrs., ex vessel Atlantic or Gulf ports, ton. No prices
Palmitate, bbls.....lb. .22 - .24
Phosphate, dibasic, precip., 38-40% P_2O_5, bgs., c.l.f. Atlantic ports, shipt., unit-ton. No prices
tribasic, c.l., bbls., works..lb. .0635- —
l.c.l., bbls.....lb. .0705- —
Resinate, precip., bbls., 1 ton lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .20½- —
l.c.l., ton.....lb. .22½- —
Sulphate (see Gypsum).
Sulphide, 70%, CaS, bgs., c.l., works..ton.46.00 - —
80%, CaS, bgs., c.l., works.ton.51.00 - —
luminous, dom., tins, works, 100 lbs. 1.25 - —
Sulphocarbolate, 200-lb. bbls..lb. .48 - .50
Calendula flowers, bls.....lb. .85 - .90
Calomel, bbls., fib. dms., kgs., 50 lbs. or more..lb. 2.70 - —
Camphor, natural, powd., cs...lb. .73 - .74
slabs, cs.....lb. .73 - .74
tablets, tins.....lb. .80 - .81
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .36 - —
smaller lots, works....lb. .41 - —
USP, or import, gran., powd., bbls., 2,000-lb. lots..lb. .60 - —
1,000-lb. lots.....lb. .61 - —
smaller lots.....lb. .62 - —
tablets, 2,000-lb. lots....lb. .73 - —
1,000-lb. lots.....lb. .74 - —
smaller lots.....lb. .75 - —
Monobromate, bxs., kgs.....lb. 2.00 - 2.05
Canada balsam (see Fir balsam).

Benzyl Alcohol—Cerium Oxalate

Canary seed, Argentine, bgs...lb. .0350- .0360
Morocco, bgs.....lb. .0400- .0435
Turkish, bgs.....lb. .0370- .0400
Canella alba bark, bls.....lb. .45 - .50
Cantharides, Chinese, cs.....lb. 1.50 - 1.60
powd., bxs.....lb. 1.75 - 1.85
Russian, cs.....lb. 3.00 - 3.05
powd., bxs.....lb. 3.25 - 3.30
Capsicum (see Pepper, red).
Caraway, Dutch, bgs.....lb. .66 - .68
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
98%, dms., ton lots, works..lb. .75 - —
smaller quantities, works..lb. .85 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Diethyl, l.c.l., works.....lb. .60 - —
Dimethylethyl, l.c.l., works..lb. .60 - —
Isobutyl, c.l., dms., frt. alld..lb. .225 - —
l.c.l., same basis.....lb. .235 - —
tanks, same basis.....lb. .215 - —
Carbon bisulphide, 55 gal., dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .66½- —
l.c.l., frt. alld.....gal. .73 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld.....gal. 1.00 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .87 - —
l.c.l., frt. alld.....gal. .93 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.10 - —
l.c.l., frt. alld.....gal. 1.20 - —
Zone 4, 52½-gal. dms., c.l.gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l....gal. 1.07 - —
l.c.l. .....gal. 1.17 - —

All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A. Cal.; S. F. Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1 includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W.Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.

Cardamom, bleached, cs.....lb. 1.30 - 1.50
decorticated, cs.....lb. 1.15 - 1.20
green, Ceylon, afloat, bgs....lb. 1.30 - 1.50
Carob bean flour (see Gum, Locust bean).
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk....lb. .18 - .19
Case-hardening mixture, 30% lump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .15 - —
5 tons, works.....lb. .15½- —
smaller lots, works.....lb. .15½- —
80-100 mesh, bgs., c.l.....lb. .15½- —
5 tons, works.....lb. .15¾- —
smaller lots, works....lb. .16 - —
import, Argent., 20-30 mesh, bgs., c.l., duty paid..lb. .13½- .13¾
80-100 mesh, bgs., c.l., duty paid..lb. .14 - .14¼
French, 30 mesh., bgs., c.l., duty paid..lb. No prices
New Zealand, 20-30 mesh., c.l., bgs., duty paid..lb. No prices
Cassia, Batavia, No. 1, thin quill, bls..lb. .19½- .20
No. 1 regular, bls.....lb. .18½- .19
shortsticks, bls.....lb. .14½- .15
broken, bls.....lb. .12 - .12½
China, buds, bags.....lb. .14 - .14½
Rolls, select, bls.....lb. .13 - .13½
broken, extra, bls.....lb. .12¼- .12¾
Saigon, No. 1, 4-10-4, bls.....lb. .23½- .24
10-6-2, bls.....lb. .24 - .24½
all thin, bls.....lb. .25 - .25½
Cassia fistula, bskts.....lb. .15 - .16
Castoreum, nat., cns.....lb. 12.50 -15.00
synth., bots.....lb. 19.00 - —
Castor beans, Brazilian, ship't, c.&f., N.Y..long ton 62.00 - —
Oil (see Oil, castor).
Pomace, dom., 6½% ammon., bgs., c.l., works..ton.15.00 - —
import, bgs., c.i.f. ports, shipment..ton. No prices
Celery seed, French, bgs.....lb. .70 - .72
Indian .....lb. .50 - .51
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., frt. alld..lb. .30 - —
Acetate-butyrate, high (20-40% butyryl content), 100-lb. ctn., 5,000 lbs and up, frt. alld. lb. .45 - —
1,000-4,900 lbs., frt. alld..lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld. lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkgs., works.....lb. .44 - —
medium (10-10.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkgs., works.....lb. .46 - —
acetate-propionate, high (20-40% propionyl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld. lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkgs., works.....lb. .44 - —
medium (10-19.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .48 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkgs., works.....lb. .46 - —
Triacetate, flake, frt. alld....lb. .30 - —
Cerium hydrate, dms., works..lb. .60 - —
oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —

Chalk, Precip.—Dyes

Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b. works..lb. .02¾ - —
cks., 250 lbs., c.l., f.o.b. works..lb. .03¼ - —
Chamomile flowers, Hungarian, genuine, cs..lb. 1.00 - 1.25
Roman, bls.....lb. 3.25 Nom.
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.35.40 - —
Colo. .....ton.32.00 - —
Conn., Me., Mass., N. H., R. I., Vt..ton.35.80 - —
Ill. (except river point), Minn., Neb., Wis.ton.27.00 - —
Indiana .....ton.31.00 - —
Ill. (river points), Mo., Okla., Tex., (except El Paso), Ia.....ton.25.00 - —
Kansas, El Paso, Tex. .....ton.26.00 - —
Michigan .....ton.32.80 - —
Ohio .....ton.32.80 - —
Penn. .....ton.34.80 - —
Utah .....ton.36.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .02¼ - —
l.c.l., bbls., works.....lb. .02¾ - —
tanks, works.....lb. .01¾ - —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.00 -16.00
bulk, c.l., works...ton. 7.60 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works.. ton. 9.50 - —
paper bgs., c.l., works.. ton.12.50 - —
import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila..ton.18.60 -25.00
powd., cks., l.c.l., ex whse., ton.45.00 - —
Chloral hydrate, jars, 1,000 lbs.lb. .93 - 1.02
500 lbs.....lb. .96 - 1.05
100 lbs.....lb. .98 - 1.07
25 lbs.....lb. 1.00 - 1.09
1-10 lbs.....lb. 1.05 - 1.12
dms., 1,000 lbs.....lb. .90 - —
500 lbs.....lb. .93 - —
100 lbs.....lb. .95 - —
Chlorinated rubber, standard, c.l., ctns., works..lb. .32 - —
100 lbs., ctns.....lb. .35 - —
smaller lots.....lb. .38 - —
Chlorine, liq., cyls., c.l., dlvd., N.Y..lb. .05¼ - —
contracts, dlvd., N. Y...lb. .05¼ - —
l.c.l., dlvd., N. Y.....lb. .07¼ - —
tanks, single units, works, frt. equald..100 lbs. 1.75 - —
multiple unit, 3 or over, works, frt., equald., 100 lbs. 1.90 - —
2, works, frt. equald., 100 lbs. 2.40 - —
1, works, frt., equald., 100 lbs. 2.90 - —
Chloracetaphenone, tins, works.lb. 3.00 - 3.50
Chloroform, tech., 650-lb. dms.lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chlorpicrin, com'l, 180-lb. cyls., frt. alld..lb. .80 - —
100-lb. cyls., frt. alld.....lb. .85 - —
25-lb. cyls., works.....lb. 1.00 - 1.15
1-lb. bot., case 12, works, lb. 1.25 - —
Chrome acetate, powd., 24%, bbls., dlvd..lb. .13½ - —
solut., 8½%, cs., bbls.....lb. .05¾ - —
Coke, bulk, c.l., works.....ton.16.00 - —
Cream (see Green, chrome).
Oxide (see Green, chrome).
Sulphate, pearls, dms., 100 lbs. lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scale, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, 5-lb. bot.....lb. 5.00 - —
Cinchona bark, quill, USP, 10 in., medium, cs..lb. .85 - .90
20 in., thick, cs.....lb. .85 - .90
20 in., medium, cs.....lb. .85 - .90
USP, broken quill, red, bgs..lb. .20 - .21
yellow, bgs.....lb. .20 - .21
Cinchonidine, small crvs., cns., 100 ozs..oz. .80 - —
Sulphate, N.F., cns., 100 ozs.oz. .53 - —

Cinchonidine buyers must pay a surcharge of 8¼c. per oz. to cover present war risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine, small crvs., cns., 100 ozs..oz. .62 - —
large crvst., cns., 100 ozs.oz. .66 - —
Sulphate, N.F., cns., 100 ozs..oz. .42 - —

Cinchonine buyers must pay a surcharge of 8¼c. per oz. to cover present war risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, USP, 25-lb. fib. dms., lb. 3.55 - 3.60
1 and 5-lb. bots.....lb. 3.70 - 3.80
100 lbs., dms.....lb. 3.50 - —
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, f.c.c., cbys.....lb. .85 - .90
Cinnamon, Ceylon, 2, bls.....lb. .19½ - .20
3 bls.....lb. No stocks
Citral, bots., cns.....lb. 2.75 - 4.00
Citrine ointment, jars.....lb. .95 - .97
Citronella1, bots., dms.....lb. .75 - .80
Citronellol, bots., dms.....lb. 1.60 - 1.85
Clove, Amboyna, bgs.....lb. .25 - .26
Madagascar .....lb. .21½ - .22
Zanzibar .....lb. .20 - .20½
Clover tops, red, bgs.....lb. .35 - .40
dom., bgs.....lb. .30 - .35
Coaltar, coal-gas, crude, bbls., c.l., works..bbls. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07½ - .09
refd., bbls., c.l., works....bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08½ - .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.25 - —
refd., dms., c.l., works...dm. 8.00 - —
l.c.l., works.....dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd. lb. .80½ - —
Carbonate, powd., bgs., works. lb. 1.58 - —
Chloride, kgs., works.....lb. .85 - —
Hydrate, bbls.....lb. 1.98 - —
Linoleate, paste, 5%, dms....lb. .31 - —
solid, 8½%, bbls.....lb. .33 - —
Oleate, bbls.....lb. .25 Nom.
Oxide, black, kgs.....lb. 1.84 - —
Resinate, fused A, bbls.....lb. .13½ - —
1 %, cobalt oxide, bbls....lb. .13 - —
2 %, cobalt oxide, bbls....lb. .14 - —
3½%, cobalt oxide, bbls....lb. .17½ - —
precip., dms., dlvd.....lb. .34 - —
Sulphate, dms.....lb. .65 - —
Cocaine, hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .37 - .38
Teneriffe, silver, bgs.....lb. .38 - .39
Cocoa butter, bulk, c.l., bgs...lb. .24 - —
Cocillana bark, bgs.....lb. .25 - .30
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs.oz.10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .07 - .08
Blue, root, bls.....lb. .07 - .08
Colchicine, bots., cns.....oz.25.00 -26.00
Colchicum seed, bgs.....lb. 2.50 Nom.
Collodion, USP, dms., 325 lbs..lb. .15 - —
cns., 25 lbs.....lb. .19 - .20
flexible, USP, dms., 325 lbs..lb. .17 - —
cns., 25 lbs.....lb. .21 - .22
Colocynth pulp, bls.....lb. .55 - .56
Colombo root, bls.....lb. .15 - .16
Coltsfoot leaves, bgs.....lb. .35 - .40
Condurango bark, bgs.....lb. .11 - .12
Conium leaves, bls.....lb. .30 - .32
Copaiba balsam, Para, cns.....lb. .27 - .28
S.A., USP, cns.....lb. .29 - .30
Copper acetate, normal, bbls., dlvd..lb. .24 - —
smaller containers, dlvd..lb. .26 - —
Carbonate, 52-54%, bbls.....lb. .16½ - .18
Chloride, anhyd., bbls.....lb. .16 - .18
cryst. .....lb. .13½ - .14½
Cyanide, tech., bbls.....lb. .34 - .36
Iodide, bots.....lb. 5.15 - 5.19
Metal, electrolytic.....lb. .12 - .12½
Nitrate, cryst., bbls.....lb. .20 Nom.
Oleate, precip., bbls.....lb. .20 - —
Oxide, black, bbls., tons, works, lb. .18½ - .20
Red, com'l, kgs., f.o.b. N. Y. lb. .19 - .21
Resinate, precip., bbls.....lb. .15 - .16
Sulphate, 99%, cryst., bbls., c.l., f.o.b. works..100 lbs. 4.75 - —
l.c.l., 16-50 bbls., same basis, 100 lbs. 4.90 - —
6-15 bbls., same basis, 100 lbs. 5.00 - —
1-5 bbls., same basis, 100 lbs. 5.25 - —
monohydrated, dms., c.l., dealers, f.o.b. works.100 lbs. 8.60 - —
l.c.l., dealers.....100 lbs. 9.00 - —
Copperas, cryst., gran., bgs., c.l., works..ton.17.00 - —
bbls., c.l., works.....ton.20.00 - —
l.c.l., 25 or over, works, 100 lbs. 1.55 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra, Coast, ship.....lb. .0340 Nom.
Coriander, bgs.....lb. .06½ - .07
bleached, bgs.....lb. .09 - .09½
Corn sugar, tanners', chipped, bgs., c.l., dlvd..100 lbs. 4.05 - —
slabs, bbls., c.l.....100 lbs. 3.41 - —
solid, bbls., c.l.....100 lbs. 3.53 - —
Syrup, 42°, bbls., c.l..100 lbs. 3.52 - —
43°, bbls., c.l.....100 lbs. 3.57 - —
Corrosive sublimate, cryst., dms., 50 lbs. or more..lb. 2.19 - —
gran., powd., dms., 50 lbs. or more..lb. 2.04 - —
Cottonroot bark, bls.....lb. .10 - .11
Cornsilk, bls...a .....lb. .17 - .18
Cottonseed, hull ash, 32-36% potash, bgs., dlvd...unit-ton. 1.00 - —
meal, 8%, Southeast, mills...ton.26.50 -27.00
Coumarin, 5 lbs. or more, 25-lb. cns..lb. 2.75 - 3.00
5-lb. cns.....lb. 2.85 - 3.10
1-lb. cns.....lb. 3.00 - 3.25
1-oz. cns.....lb. 3.35 - 3.60
less than 5 dms., cns.....lb. 4.15 - 4.65
Cramp bark, genuine, bls.....lb. .23 - .24
so-called, bls.....lb. .06 - .07
Cranesbill root, bls.....lb. .10 - .18
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't. lb. .52½ - —
smaller lots, bbls.....lb. .53 - —
kgs. .....lb. .53½ - —
Creosote, beechwood, bots.....lb. .70 Nom.
hardwood, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .28 - —
Carbonate, bots., cbys.....lb. 1.90 - 2.29
Oil, crude, tanks, works....gal. .13½ - .14½
Coaltar, solution, tanks, works, gal. .122 - .132
refd., bbls., l.c.l., works.gal. .25 - —
tanks, works.....gal. .18 - .18½
Cresol, USP, dms., c.l., works..lb. .09¾ - —
l.c.l., same basis.....lb. .10¼ - —
special resin grade, dms., c.l., works..lb. .08¾ - —
l.c.l., same basis.....lb. .09¼ - —
Crotonaldehyde, 97%, 55 and 110 gal., c.l., works..lb. .13 - —
l.c.l., works.....lb. .14 - —
5 and 10-gal. dms., works..lb. .15 - —
Cryolite, syn., c.l., frt. alld. E. of Miss. River..lb. .08½ - —
l.c.l., works.....lb. .09¼ - —
natural, c.l.....100 lbs. 8.75 - —
l.c.l. .....100 lbs. 9.25 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N. Y. C.....lb. .19 - .21
4% rotenone prices are 3c. per lb. less.
Cubeb berries, XX, bgs.....lb. .44 - .45
powd., cs.....lb. .49 - .50
Culver's root, bls.....lb. .16 - .17
Cumin seed, Morocco, bgs.....lb. .17½ - .18
Cyprus, bgs.....lb. .17½ - .18
Indian bgs.....lb. .16½ - .17
Persian, bgs.....lb. .16¾ - .17¼
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid..lb. .04¾ - —
Cyanamide, 22% N, pulv., bgs., dlvd., contracts, N..unit-ton. No prices
Cyanide-chloride, mixture, 45%, gran., dms..lb. .10¾ - —
lump, dms.....lb. .09¾ - —
75%, gran., dms.....lb. .15 - —
Cyclohexane, 98-100%, dms., works..lb. .16 - —
Cyclohexanol, 98-100%, dms., works..lb. .23 - —
Cyclohexanone, 98-100%, dms., works..lb. .32 - —

D

Damiana leaves, bls.....lb. .16 - .17
Dandelion root, German, bls..lb. .75 - .80
Decanol, normal, tech., 360 lbs., dms., dlvd..lb. .35 - —
Deertongue leaves, bls.....lb. .12 - .14
Degras, common dom., bbls...lb. .07¾ - .08¾
neutral, dom., bbls.....lb. .13 - .16
Derris root, powd., 5% rotenone, bbls., f.o.b. N. Y..lb. .21 - .23
4% rotenone prices are 3c. per lb. less.
Derris, extract, 25% rotenone, bulk, cns..lb. 3.00 - 4.00
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 4.15 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.25 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.90 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.70 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.85 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.05 - —
Potato, bgs., dom., c.l.....lb. .06 - —
l.c.l., bgs.....lb. .09 - .10
Diacetone (see under Alcohol).
Diacetyl, bots.....lb. 9.50 -11.00
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Phthalate, dms., c.l., dlvd...lb. .21 - —
l.c.l., dlvd.....lb. .21½ - —
tanks, dlvd.....lb. .20 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .50 - —
Diamylene, dms., c.l., works..lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diamylnaphthalene, dms., l.c.l., works..lb. .20 - —
Diamylphenol (2, 4), dms., c.l., works..lb. .17 - —
l.c.l. .....lb. .20 - —
Diatomaceous earth, dom., natural, bgs., c.l., f.o.b. Pacific cst..ton.22.00 -25.00
l.c.l., ex whse.....ton.45.00 - —
purified, bgs., c.l., f.o.b. Atlantic seaboard..ton.35.00 -39.00
l.c.l., ex whse.....ton.85.00 -90.00
chemically pure, bgs., c.l., f.o.b. Atlantic seaboard..lb. .06 - —
l.c.l., ex whse.....lb. .10 - .16
Import, bgs., c.l., c.l.f.....ton. No prices
Dibutylamine, dms., c.l., works, lb. .50 - —
l.c.l. .....lb. .53 - —
tanks, works.....lb. .48 - —
Dibutyl ether (see Ether, butyl).
Phthalate, dms., c.l., dlvd...lb. .19 - —
l.c.l., dlvd.....lb. .19½ - —
tanks, dlvd.....lb. .18 - —
cns., works.....lb. .23½ - .25½
Sebacate, dms., works.....lb. .45 - .47
Tartrate, dom., dms.....lb. .50 - —
Dicalcium phosphate (see Calcium phosphate dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Dichloropentanes, dms., c.l., works...lb. .032 - —
l.c.l. .....lb. .04 - —
tanks .....lb. .025 - —
Diethanolamine, dms., c.l., works, lb. .23½ - —
l.c.l., works.....lb. .24½ - —
tanks, works.....lb. .22½ - —
Diethylamine, dms., l.c.l., works, lb. .70 - —
Diethylamino ethanol, l.c.l., dms., works, frt. alld. E. of Miss. river, l.c.l., dms..lb. .75 - —
Diethylanilin, dms.....lb. .40 - —
Diethylcarbonate, com'l, dms..lb. .25 - —
refd., 99%, dms.....lb. .35 - —
Oxalate, dms., l.c.l., dlvd....lb. .27 - —
Diethyl phthalate, dms., c.l., frt. alld..lb. .19 - —
l.c.l. .....lb. .19½ - —
tanks .....lb. .18 - —
Sulphate, dms., c.l., works...lb. .13 - —
l.c.l., works.....lb. .14 - —
tanks .....lb. .12 - —
Diethyleneglycol, dms., c.l., works, lb. .14 - —
l.c.l., works.....lb. .15½ - —
Monobutylether, dms., works.lb. .22½ - .24½
Monoethylether, dms., c.l., works..lb. .14½ - —
l.c.l., works.....lb. .15½ - —
tanks, works.....lb. .13½ - —
Digitalis leaves, dms.....lb. .35 - .40
Digicyol, laurate, c.l.....lb. .16 - —
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works.lb. .19 - —
Dilliseed, cleaned, bgs.....lb. .07¾ - .07¾
Dimethyl phthalate, dms., c.l., dlvd..lb. .13½ - —
l.c.l., dlvd.....lb. .19 - —
tanks, dlvd.....lb. .17½ - —
Dimethylamine, dms., c.l., dlvd.lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Dimethylanilin, dms., c.l.....lb. .23 - —
l.c.l., dms.....lb. .24 - —
Dinitrobenzene, bbls., 80° min.lb. .16 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .15½ - —
oily, dms.....lb. .05 - —
Diorthotoluolguanidin, dms., 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .47 - .50
tanks .....gal. .41 - —
dest., dist., dms.....gal. .45 - .48
tanks .....gal. .38 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, dms...lb. .43 - .45
cns. .....lb. .48 - .50
Diphenylamine, bbls.....lb. .25 - —
Diphenylguanidin, dms., 2,000 lbs. or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —
Dimethylethyl carbinol (see Carbinol).
Divi-divi, Columbian.....ton.32.00 - —
Venezuelan .....ton.35.00 - —
Doggrass root, cut, NF, bls...lb. .60 - .65
Dogwood bark, Jamaica, bls...lb. .08 - .10
Dovers powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .85
reeds, cs.....lb. 1.00 - 1.05
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—
Blue, FD&C blue, No. 1, cns.lb.13.50 - —
FD&C blue, No. 2, cns....lb.13.50 - —
FD&C green, No. 2, cns....lb.17.50 - —
FD&C green, No. 3, cns....lb.27.50 - —
Green, FD&C green, No. 1, cns., lb.13.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.65 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red, No. 3, cns.....lb.17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red, No. 32, cns.....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns..lb. 8.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4, cns..lb. 2.65 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —
Dyes, coaltar (certified colors), for drugs and cosmetics:—
Black, D&C black, No. 1....lb. 8.35 - —
Blue, D&C blue, No. 6.....lb.13.50 - —
Brown, D&C brown, No. 1, cns., lb.12.35 - —
Green, D&C green, No. 5, cns., lb.12.35 - —
D&C green, No. 6, cns.....lb.12.35 - —
Orange, D&C orange, No. 3, cns..lb. 8.35 - —
D&C orange, No. 4, cns....lb.15.35 - —
D&C orange, No. 10, cns...lb.15.85 - —
D&C orange, No. 11, cns...lb.17.35 - —
Dyes, coaltar (certified colors), for external use drugs and cosmetics:—
Red, D&C red, No. 5.....lb. 6.00 - —
D&C red, No. 17.....lb. 8.35 - —
D&C red, No. 18.....lb.18.35 - —
D&C red, No. 19, cns.....lb.15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33.....lb.13.35 - —
D&C red, No. 37, cns.....lb.12.35 - —
Yellow, D&C yellow, No. 7, cns..lb. 8.35 - —
D&C yellow, No. 3, cns....lb. 8.35 - —
D&C yellow, No. 11.....lb.10.35 - —
Blue, Ext. D&C blue, No. 1, cns..lb.12.35 - —
Green, Ext. D&C green, No. 1, cns..lb.12.35 - —
Red, Ext. D&C red, No. 1, cns..lb.10.35 - —
Ext. D&C red, No. 3.....lb.21.85 - —
Ext. D&C red, No. 6.....lb. 7.85 - —
Ext. D&C red, No. 10, cns..lb.12.35 - —
Ext. D&C red, No. 13, cns..lb.12.35 - —
Yellow, Ext. D&C yellow, No. 1, cns..lb. 8.35 - —
Dyes, coaltar, for general uses (numbers are those of Colour index scale):—
36 Chrome yellow 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A.....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste....lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
Sulphur tan.....lb. .30 - .50
202 Chrome blue black U.lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B.lb. .80 - .85
326 Direct cast scarlet....lb. 2.00 - 2.25
304 Paper yellow.....lb. .83 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.35
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B...lb. .40 - .42
495 Benzo purpurin 10B...lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black, FF.lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
592 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO....lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .50 - .52
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble), lb. .35 - .50
1177 Indigo, 20 p.c. paste..lb. .15 - .18
Benzo fast black L...lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80

barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse):—

Black:—
865 Nigrosin derivatives..lb. .38 - .62
Blue:—
1075 Alizarin astrol base...lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
Brown:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .75 - —
Red shade.....lb. .75 - —
Red:—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink), lb. 2.50 - —
1080 Anthraquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - —

Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse):—

Black:—
864 Nigrosin.....lb. .38 - .44
Blue:—
860 Indulin.....lb. .60 - .70
Brown:—
381 Bismarck brown.....lb. 1.50 - —
Green:—
637 Malachite green base.lb. 2.00 - —
Orange:—
20 Chrysoldin G.....lb. .95 - —
21 Chrysoldin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow, lb. .75 - —
655 Auramine.....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —
Violet:—
680 Methyl violet base....lb. .85 - —

Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).

Dyes, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel 3c. per lb. higher; f.o.b., sellers' works or warehouse):—
Black:—
246 Naphthol blue black S.lb. .50 - —
873 Methylene gray.....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .87 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B....lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Brown:—
234 Resorcin brown Y.....lb. .65 - —
235 Resorcin dark brown R, lb. .66 - —
231 Bismarck brown G....lb. .40 - .52
332 Bismarck brown R....lb. .50 - .52
793 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B.....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B....lb. 1.55 - —
1078 Alizarin cyanin green.lb. 2.35 - —
Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
31 Amidonaphthol red G..lb. .42 - —
37 Amidonaphthol red 6B, lb. .68 - —
79 Popceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - .62
183 Crocein scarlet 3BX...lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crocein M....lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —
Yellow:—
10 Naphthol yellow S....lb. .88 - —
138 Metanil yellow.....lb. .53 - —
636 Fast light yellow.....lb. 1.25 - —
639 Xylene light yellow...lb. 1.15 - —
640 Tartarzin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —
Dyes, natural (see name of article).

E

Echniacea root, bls.....lb. .18 - .19
Egg albumen (see Albumen).
yolk, dried, dom., bbls.....lb. .70 - .75
imported .....lb. .67 - .69
Elder flowers, bright, bls.....lb. .75 - .80
Elecampane root, bls.....lb. .14 - .15
Elm bark, grinding, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .19 - .20
select, bndls.....lb. .19 - .21
Emetine hydrochloride, bots...oz. 24.00 -25.00
Ephedra, bls.....lb. .12 - .13
Ephedrine, USP hemihydrates, tins, 1,000 ozs..oz. .70 - —
100 ozs.....oz. .80 - —
anhyd., dms., 1,000-oz. lots.oz. .75 - —
100-oz. lots.....oz. .85 - —
Hydrochloride, tins, 1,000-oz. lots..oz. .55 - —
100-oz. lots.....oz. .65 - —
Sulphate, cryst., tins, 1,000-oz. lots..oz. .53 - —
100-oz. lots.....oz. .63 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls. .....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrwal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
dried, bgs., l.c.l.....lb. .08 - .09
Ergot, USP, cns., dms.....lb. 1.65 - 1.70
Eserine, bots.....oz. 50.00 -60.00
Salicylate, bots.....oz. 42.00 -54.00
Sulphate, bots.....oz. 42.00 -54.00
Ether, acetic (see Ethyl acetate).
Butyl, l.c.l., dlvd.....lb. .25 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .73 - —
Sulphuric, conc., 310-lb. dms., lb. .11 - —
27-lb. dms.....lb. .16 - —
Synth., dms., c.l., work.....lb. .10 - —
l.c.l., works.....lb. .11 - —
tanks .....lb. .08 - —
USP, anesthesia, hospitals, 1-lb. cns..lb. .52 - .53
Ethyl acetate, 85-90%, dms., c.l., frt. alld..lb. .07½- —
l.c.l., frt. alld.....lb. .08 - —
tanks, frt. alld.....lb. .06½- —
95-98%, dms., c.l., frt. alld..lb. .07¾- —
l.c.l., frt. alld.....lb. .08¼- —
tanks, frt. alld.....lb. .06¾- —
NF, 390-lb. dms.....lb. .08 - .08¼
cns., 35 lbs.....lb. .13 - .14
Acetoacetate, dms., c.l., wks.lb. .27½- —
l.c.l., dms., works.....lb. .28 - —
Bromide, tech., dms.....lb. .50 - .55
Caproate, cns.....lb. 1.00 - —
Chloride, dms.....lb. .18 - .20
Cinnamate, cns.....lb. 2.75 - 3.25
Crotonate, 55-gal. dms., works, lb. .35 - —
1-gal. cns., works.....lb. 1.00 - —
5 and 10-gal. dms., works, lh. .75 - —
Formate, cns., dms.....lb. .25 - .26
Iodide, bots.....lb. 3.50 - 3.60
Lactate, 55-gal. dms., works.lb. .33½- —
5-gal. dms., works.....lb. .37½- .39½
Oxalate, dms., frt. alld.....lb. .25 - —
Silicate, l.c.l., dms., works..lb. .77 - —
Vanillin, 25-lb. lots, cns.....lb. 6.00 - —
5-lb. lots, cns.....lb. 6.05 - —
1-lb. lots, cns.....lb. 6.15 - —
Ethylcellulose, std. cans, 5,000 lbs. or more, frt. alld..lb. .45 - —
less than 5,000 lbs., same basis..lb. .47 - —
Ethylene, dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0693- —
West of Rockies, same basis..lb. .0743- —
l.c.l., works, E. of Rockies, frt. alld..lb. .0746- —
West of Rockies, same basis..lb. .0792- —
Ethyleneglycol, dms., c.l.....lb. .14½- —
l.c.l. .....lb. .15½- .18½
tanks .....lb. .13½- —
Monobutylether, dms., c.l., wks. lb. .16½- —
l.c.l., works.....lb. .17½- .20½
tanks, works.....lb. .13½- —
Monoethylether, dms., c.l., wks. lb. .14½- —
l.c.l., works.....lb. .15½- .16½
tanks, works.....lb. .13½- —
Monoethylether, acetate, dms., c.l., works..lb. .11½- —
l.c.l., dms.....lb. .12½- .15½
tanks, works.....lb. .10½- —
Monomethylether, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Ethylidinanilin, dms.....lb. .45 - .47½
Eucalyptol, cns., dms.....lb. .80 - .90
Eucalyptus leaves, bls.....lb. .11 - .12
Eugenol, cns., dms.....lb. 1.75 - 2.00
Euphorbia, bls.....lb. .09 - .10

F

Feldspar, enamel, 100 mesh, bulk, works..ton. 14.00 -17.50
l.c.l., minimum 2 tons...ton. 17.00 -20.50
glass, 20 mesh, bulk, works.ton. 9.75 -12.25
l.c.l., minimum 2 tons...ton. 12.75 -16.25
pottery, bulk, Me., works...ton. 17.00 -19.00
N. C., works.....ton. 17.00 -19.00
l.c.l., minimum 2 tons.ton. 20.00 -22.00
Fennel seed, Argentine, bgs...lb. .16 - .16½
French, bgs.....lb. .35 Nom.
Indian, bgs.....lb. .11½- .12
German, large, bgs.....lb. .33 Nom.
Roumanian, bgs.....lb. .11½- .12
Fenugreek seed, bgs.....lb. .05½- .06
Ferric, sulphate, anhyd., c.l., works..ton. 35.00 - —
l.c.l. .....ton. 40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs. or over, works..lb. .12 - —
smaller lots, works....lb. .13 - —
light, cs., 1,000 lbs. or over, works..lb. .13 - —
smaller lots, works....lb. .15 - —
water white, cs., 1,000 lbs. or over, works..lb. .14 - —
smaller lots, works....lb. .15 - —
Fir balsam, Canada, cns.....gal. 16.50 -17.00
Oregon, bbls.....gal. 1.10 - 1.25
Fish berries, bgs.....lb. .26 - .27
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures..unit-ton. 4.25 & .10
meal, bgs., f.o.b. Balto....ton. 61.50 -62.00
6-7% ammon., 3% phosphor. acid, bulk, So. Atlantic factories, contracts....unit-ton. 2.75 & .50
sardine, Japanese, 11½% ammon., bgs., c.l.f. ports..ton. No prices
Flake white, dom., bbls.....lb. .09 - —
kegs .....lb. .11 - —
Flaxseed, French, black, bgs..lb. .55 - .60
Indian, blonde, bgs.....lb. .10 - .11
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines.. net ton. 29.00 - —
washed gravel, 85.5 f.o.b. Ky. and Ill.-Ky. mines..net ton. 19.00 -21.00

Dyes—Gambier

Fluorspar, No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines.. net ton. 19.00 -21.00
imported, 85.5, duty paid, short ton. No prices
Formaldehyde, bbls., c.l., works, lb. .0550- —
l.c.l., works.....lb. .06 - —
dms., c.l., works.....lb. .0515- —
l.c.l., works.....lb. .04 - —
Fringetree bark, bls.....lb. .14 - .15
Fuller's earth, dom., bgs., c.l., f.o.b. Fla., Ga. mines..ton. 15.00 - —
import, bgs., c.l., ex dock.ton. No prices
l.c.l., ex whse.....ton. No prices
Furfural, ref., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½- .18
tech., dms., contracts, 150,000 lbs..lb. .10 - —
c.l., works.....lb. .12½- —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, refd., dms., incl., dlvd., lb. .16 - .17¼
Fustic extract, cryst., bbls.....lb. .24 - .26
liquid, bbls.....lb. .10¼- .14
solid, dms.....lb. .19 - .21

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .11 - .12
Gambier, common, cases.....lb. .08 - .08½
plantation, cases.....lb. .11 - .11½
cubes, Singapore, cases...lb. .09½- .10
extract, bbls.....lb. .09½- .12

COMMERCIAL SODIUM CHLORITE

New Bleach Produces High Whites... With Zero Loss in Tensile Strength!

MATHIESON SODIUM CHLORITE
$NaClO_2$

1. A flaked, semi-crystalline product.
2. Light tan in color.
3. Extremely soluble in water—40% by weight at normal temperatures.
4. Stable up to and including 150 degrees C.
5. Oxidizing power equivalent to 130% available chlorine.
6. Non-hygroscopic.

●Mathieson, traditional leader in the manufacture of bleaching materials, pioneers again in presenting an entirely new bleaching agent—Commercial Sodium Chlorite ($NaClO_2$). With this new product it is possible to bleach to a high degree of whiteness *without loss in tensile strength.*

Under present everyday bleaching methods some loss in tensile strength usually results. The best that can be done is to keep this loss to a minimum while obtaining a satisfactory bleach. But *now* you can use Mathieson Sodium Chlorite which *cannot injure* cellulose fibres no matter how concentrated the bleach solution or how high the temperature of the bleaching operation.

Sodium chlorite, a development of the Mathieson research department, is unique. It is the *only* dry sodium compound containing chlorine available for general bleaching work . . . 130% available chlorine, 30% more than pure chlorine itself. Extremely soluble in water, it is very stable, non-hygroscopic. It bleaches and oxidizes in acid or alkaline solutions—is now being used successfully in treating textiles, paper pulp, starch, straw, and other materials.

For example—in paper mills, it is being used for bleaching on the acid side and producing pulp of high quality which is supplanting Scandinavian. In textile mills it permits bleaching on the acid side without degrading the fabric. Textile mills add chlorite to the kiers, eliminating multiple boils and increasing capacity of existing equipment . . . equipment which has become doubly important in times of heavy production such as these.

In all of these applications sodium chlorite is remarkably economical. Because of its unique *selective* action, which enables it to bleach without loss in tensile strength, every pound of sodium chlorite does useful work. Because of its high stability, none is dissipated and wasted in the process. Thus, bleaching with sodium chlorite means not only a better product and increased plant capacity, but more economical production as well.

Drop us a line today for complete information on sodium chlorite. Our technical staff, the men who developed this amazing new product, will be glad to sit down with you and discuss how Mathieson Sodium Chlorite can help you with your bleaching problems.

MATHIESON CHEMICALS
THE MATHIESON ALKALI WORKS (INC.)
60 E. 42ND STREET, NEW YORK, N. Y.

SODIUM CHLORITE PRODUCTS . . . SODA ASH . . . CAUSTIC SODA . . . BICARBONATE OF SODA . . . LIQUID CHLORINE . . . BLEACHING POWDER . . . HTH PRODUCTS . . . AMMONIA, ANHYDROUS and AQUA . . . FUSED ALKALI PRODUCTS . . . SYNTHETIC SALT CAKE . . . DRY ICE . . . CARBONIC GAS

Gasoline—Iron Iodide

Gasoline at refinery:—
Bayonne, US motor, tanks, ex tax..gal. .0650- —
California (f.o.b. San Francisco), regular, trucks, tax incl..gal. .14 - —
Gulf Coast, US motor, 72-74 octane, tanks, ex tax..gal. .06¾- —
Louisiana-Arkansas, US motor, 72-74 octane, tanks, ex tax..gal. .04½- .04¾
Oklahoma-Texas, US motor, 72-74 octane, tanks, ex tax..gal. .05 - .05¾
natural, 18-55, tanks....gal. .03¾- .03¾
26-70, tanks.....gal. .03¾- .03¼
Gelatine, silver, cs.....lb. .60 - .67
Gelsemium root, bls.....lb. .14 - .15
Gentian root, bls.....lb. .50 - .52
grd., bbls., bxs.....lb. .55 - .57
powd., bbls., bxs.....lb. .56 - .58
Geraniol, 92-96%, cns., dms...lb. 1.41 - 2.05
other grades, cns., dms.....lb. 1.25 - 1.85
soap, cns., dms.....lb. .65 - 1.00
Ginger, African, No. 1, bgs....lb. .12¼- .12¾
Cochin, lemon, nearby, bgs.lb. .12¾- .12¾
Jamaica, bold, bgs.....lb. .17½- .18
medium, bgs.....lb. .16½- .17
grinding, bright, bgs.....lb. .16 - .17
Japanese, bgs.....lb. No stocks
Ginseng root, wild Southern, ex.lb.12.00 -13.00
Glauber's salt, anhyd. (see Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. .93 - 1.18
5 tons or over, works, 100 lbs. 1.06 - 1.25
less than 5 tons, works, 100 lbs. 1.15 - 1.35
import, bgs.....100 lbs. No prices
Glue, bone, calcimine type, 24 millipoise, 24 jelly-grams, bgs., c.l., divd..lb. .14 - —
l.c.l., divd.....lb. .14½- —
36/38 bgs., c.l., divd.....lb. .13½- —
l.c.l., divd.....lb. .14 - —
58/62 bgs., c.l., divd.....lb. .15 - —
l.c.l., divd.....lb. .15½- —
82/106 millopose, bgs., c.l. divd..lb. .15¾- —
l.c.l., divd.....lb. .16 - —
hide, calcimine type, 26 millipoise, 125 jellygrams, bgs., c.l., divd. East Middlewest.lb. .17 Nom.
l.c.l., same basis.....lb. .17½ Nom.
60/104, bgs., c.l., same basis.lb. .18½ Nom
l.c.l., same basis.....lb. .19 Nom.
67/122, bgs., c.l., same basis.lb. .19½ Nom.
l.c.l., same basis.....lb. .20 Nom.
75/222, bgs., c.l., same basis.lb. .22½ Nom.
l.c.l., same basis.....lb. .23½ Nom.
68/251, bgs., c.l., same basis.lb. .23½ Nom.
l.c.l., same basis.....lb. .24½ Nom.
92/283, bgs., c.l., same basis.lb. .24½ Nom.
l.c.l., same basis.....lb. .25½ Nom.
102/315, bgs., c.l., same basis..lb. .25½ Nom.
l.c.l., same basis.....lb. .26 Nom.
113/347, bgs., c.l., same basis..lb. .26 Nom.
125/370, bgs., c.l., same basis..lb. .27 Nom.
l.c.l., same basis.....lb. .28 Nom.
Glue prices for barrel packing, ½c. per lb. higher; grinding charge, 20-40 mesh, ¼c. per lb.; 60 mesh, 1c. per lb.
Glycerin, CP, cns., l.c.l.....lb. .14½- .15
dms., c.l., divd.....lb. .12½- —
l.c.l., divd.....lb. .13 - —
tanks, divd.....lb. .12¼- —
dynamite, dms.....lb. Nominal
high gravity, dms., c.l., divd.lb. .12 - —
l.c.l., divd.....lb. .12½- —
tanks, divd.....lb. .11¾- —
saponification, basis 88%, for industrial users, special colors, dms., returnable, c.l., divd..lb. .10¼- —
l.c.l., same basis..lb. .11¼- —
tanks .....lb. .09¾- —
refiners, dms., returnable, tanks, divd..lb. .08½- .09⅛
soaplye, basis 80%, dms., returnable, tanks, divd..lb. .07½- .07¾
Glycine, medicinal, bbls., tins.lb. 1.70 - 2.00
Glycol boriborate, dms.....lb. .22 - —
Phthalate, dms.....lb. .38 - —
Stearate, dms.....lb. .26 - —
Gold, U.S. purchase price....oz.35.00 - —
Chloride, acid brown, bottle..oz.20.75 -21.00
yellow, bots.....oz.18.75 -19.00
Gold-soda chloride, photo., bots., oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Gold of pleasure, seed, bgs....lb. .16 - .16½
Goldenseal, root, bls.....lb. 2.50 - 2.65
powd., bxs.....lb. 2.75 - 2.90
Grains of paradise, bgs.....lb. .40 - .41
Graphite, dake (cryst.), 90%, 325 mesh, 50% graphite carbon, bgs., c.l., works..lb. .07 - —
bbls., c.l., works.....lb. .07¼- —
l.c.l., works.....lb. .07½- —
Amorph., powd., 90%, 325 mesh, 65% graphite carbon, bgs., c.l., works..lb. .02½- —
l.c.l., works.....lb. .03¼- —
bbls., c.l., works.....lb. .02¾- —
80% graphite, carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works.....lb. .04½- —
Grease, house.....lb. .07 Nom.
white .....lb. .07½ Nom.
yellow .....lb. .07½ Nom.
Wool (see Adeps lanae and Degras).
Green, chrome, CP, dark, light, medium, blue content up to 5%, bbls., divd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis..lb. .22 - —
11-15%, bbls., same basis..lb. .23 - —
16-20%, bbls., same basis..lb. .23½- —
21-25%, bbls., same basis..lb. .24 - —
26-30%, bbls., same basis..lb. .24½- —
31-35%, bbls., same basis..lb. .25½- —
36-40%, bbls., same basis..lb. .27 - —
41-45%, bbls., same basis..lb. .28½- —
46-50%, bbls., same basis..lb. .30 - —
Green, chrome, prices are ½c. higher divd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ½c. higher divd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
reduced, CP, color content up to 5%, same basis..lb. .06 - —
Green, chrome, reduced, c.p., color content 9-10%, bbls., same basis..lb. .06¾- —
11-13%, bbls., same basis, lb. .07¼- —
14-16%, bbls., same basis, lb. .07½- —
17-19%, bbls., same basis, lb. .07¾- —
20-21%, bbls., same basis, lb. .08 - —
22-23%, bbls., same basis, lb. .08¼- —
24-25%, bbls., same basis, lb. .08½- —
26-27%, bbls., same basis, lb. .08¾- —
28-29%, bbls., same basis, lb. .09¼- —
30-31%, bbls., same basis, lb. .10 - —
32-33%, bbls., same basis, lb. .11¼- —
34-35%, bbls., same basis, lb. .12¼- —
36-40%, bbls., same basis, lb. .14¼- —
41-45%, bbls., same basis, lb. .16¼- —
46-50%, bbls., same basis, lb. .16¾- —
51-55%, bbls., same basis, lb. .17¼- —
56-60%, bbls., same basis, lb. .17¾- —
61-65%, bbls., same basis, lb. .18¼- —
66-70%, bbls., same basis, lb. .19¼- —
71-75%, bbls., same basis, lb. .20¼- —
Oxide, dom., pure, bbls.....lb. .25 - —
ceramic, light shades, bbls., c.l., works..lb. .25 - —
l.c.l. works.....lb. .30 - —
standard grade, bbls., works..lb. .21 - .23
Tetrahydroxide, bbls.....lb. .65 - —
Paris (see P).
Tungstated, brilliant, kgs...lb. 3.50 - —
emerald, kgs.....lb. 2.35 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .09 - .10
Guaiac resin, cs.....lb. .30 - .35
strained, cs.....lb. .85 - .90
Wood, bls.....lb. .04 - .05
Guaiacol, liq., dms.....lb. 1.55 Nom.
Carbonate, fib. dms., 25 lbs..lb. 2.40 - 2.74
Gum, guarana, powd., cs.....lb. 1.20 - 1.25
Aloe (see A).
Ammoniac, tears, cs.....lb. .85 - .90
Arabic, amber sort, cleaned, bgs..lb. .16 Nom.
white, sorts, 1, bgs.....lb. .35 - .36
powd., bbls.....lb. .19 - .21
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 2.50 - 2.80
Sumatra, cs.....lb. .23 - .24
Camphor (see C).
Chicle, prime, 35% moisture, bgs., ton lots..lb. .40 - .42
Copal, Congo, 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Francisco..lb. .49½- —
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gum prices on 30,000 lbs. min. apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bags.
2, water white, bgs., c.l., same basis..lb. .29½- —
3, selected pale straw bold, bgs., c.l., same basis..lb. .24½- —
4, pale bold straw, bgs., c.l., same basis..lb. .24 - —
5, pale straw bold, bgs., c.l., same basis..lb. .22¾- —
6, pale amber bold, bgs., c.l., same basis..lb. .21½- —
7, pale straw bold, bgs., c.l., same basis..lb. .17 - —
8, light amber bold, bgs., c.l., same basis..lb. .17 - —
9, medium light amber bold, bgs., c.l., same basis..lb. .13½- —
10, rescraped, hard amber bold, bgs., c.l., same basis, lb. .13¾- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .12¾- —
12, selected bold sorts, bgs., c.l., same basis..lb. .11¾- —
13, dark sorts bold, bgs., c.l., same basis..lb. .09¼- —
14, selected, fully scraped, ivory, bgs., c.l., same basis, lb. .23¾- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .10¾- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .09½- —
17, pale, fingers, bgs., c.l., same basis..lb. .18¾- —
18, pale straw nubs, bgs., c.l., same basis..lb. .19½- —
19, pale straw nubs, bgs., c.l., same basis..lb. .18¾- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .13¼- —
21, ordinary selected nubs, c.l., same basis..lb. .12¾- —
22, small mixed nubs, bgs., same basis..lb. .10¾- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .11¾- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .17¾- —
26, pale small nubs, c.l., same basis..lb. .10¾- —
27, pale small nubs, bgs., c.l., same basis..lb. .10¼- —
28, pale dust, bgs., c.l., same basis..lb. .06¾- —
Batu, bold scraped, bgs., c.l., same basis..lb. .06½- —
unscraped, bgs., c.l., same basis..lb. .06 - —
chips, bgs., c.l., same basis, lb. .05¼- —
dust, bgs., c.l., same basis, lb. .05¼- —
nubs and chips, bgs., c.l., same basis..lb. .05¼- —
dust, bgs., c.l., same basis, lb. .05¼- —
nubs and chips, bgs., c.l., same basis..lb. .05¼- —
black, bold, scraped, bgs., c.l., same basis..lb. .06¾- —
unscraped, b g s., c.l., same basis..lb. .05¾- —
nubs and chips, bgs., c.l., same basis..lb. .06½- —
Hiroe, Macassar, pale bold, bgs., c.l., same basis..lb. .12¾- —
chips, bgs., c.l., same basis, lb. .06¾- —
dust, bgs., c.l., same basis, lb. .05¼- —
nubs, bgs., c.l., same basis..lb. .10½- —
Gum, copal, Singapore, Rasak, bold, bgs., c.l., same basis, lb. .15¾- —
chips, bgs., c.l., same basis, lb. .06½- —
dust, bgs., c.l., same basis, lb. .05½- —
nubs, bgs., c.l., same basis, lb. .11 - —
Manila, Boeas, amber and dark, bakts., c.l., same basis, lb. .12¾- —
light, bakts., c.l., same basis..lb. .15¾- —
Loba A, bakts., c.l., same basis..lb. .11¾- —
B, bakts., c.l., same basis, lb. .11¾- —
C, bakts., c.l., same basis, lb. .11¼- —
CNE, bakts., c.l., same basis..lb. .08½- —
D, bakts., c.l., same basis, lb. .12¾- —
DK, bakts., c.l., same basis, lb. .08 - —
dust, bakts., c.l., same basis..lb. .06 - —
Sambas and white split chips, bakts., c.l., same basis..lb. .15¾- —
Singapore, dust, bakts., c.l., same basis..lb. .06 - —
Spirit-soluble, CBB, bakts., same basis..lb. .10¾- —
DBB, bakts., c.l., same basis..lb. .10 - —
MA, bakts., c.l., same basis, lb. .07¾- —
MB, bakts., c.l., same basis, lb. .07¼- —
WS, bakts., c.l., same basis, lb. .10 - —
A/D, cs., c.l., same basis, lb. .13¾- —
Philippine, Manila, amber sorts, bakts., c.l., same basis..lb. .08 - —
chips, pale, bakts., c.l., same basis..lb. .11¾- —
pale, small, bakts., c.l., same basis..lb. .09 - —
extra pale, sorts, bakts., c.l., same basis..lb. .10½- —
nubs, bakts., c.l., same basis..lb. .13¼- —
scraped, bakts., c.l., same basis..lb. .14¾- —
seeds and dust, bakts., c.l., same basis..lb. .09¾- —
Pontianak, bold, genuine bgs., same basis..lb. .15¾- —
mixed, bgs., c.l., same basis, lb. .14¾- —
split, bgs., c.l., same basis, lb. .13¾- —
chips, bgs., c.l., same basis, lb. .10 - —
nubs, bgs., c.l., same basis, lb. .12¾- —
Dammar, Batavia, A, cs., c.l., same basis as copal..lb. .21¾- —
A/C, cs., c.l., same basis..lb. .15¼- —
A/E, cs., c.l., same basis..lb. .12¾- —
B, cs., c.l., same basis...lb. .20¼- —
C, cs., c.l., same basis...lb. .14¾- —
D, cs., c.l., same basis...lb. .13¼- —
dust, cs., c.l., same basis..lb. .07¾- —
E, cs., c.l., same basis...lb. .10 - —
F, cs., c.l., same basis...lb. .08 - —
Singapore, 1, cs., c.l., same basis..lb. .16¾- —
2, cs., c.l., same basis....lb. .12¼- —
3, cs., c.l., same basis....lb. .07¼- —
chips, cs., c.l., same basis.lb. .11 - —
dust, cs., c.l., same basis.lb. .07¼- —
seeds, cs., c.l., same basis.lb. .09¾- —
Elemi, cns., c.l., same basis as copal..lb. .08¼- —
Ester, c.l., dms., contract or spot, divd. N. Eng., N. Y., N. J., Pa., Va., N. C., Ky., Ohio, Ind., Mich., Wis. and Ill..lb. .06 - —
Mont., Idaho, Wyo., Nev., Utah, Col., Ariz., N. Mex. and Western Tex..lb. .08¾- —
Pacific Coast (water shipt.)..lb. .08¼- —
Other points.....lb. .06¼- —
For delivery of 3,000 pounds, prices are ¼c. per pound higher than the above in each case; for delivery of smaller lots, prices are ½c. per pound higher in each case.
Euphorbium, cs.....lb. .50 - .55
Galbanum, cs.....lb. 1.05 - 1.10
Gamboge, pipe, cs.....lb. .95 - 1.00
powd., bbls.....lb. 1.05 - 1.10
Ghatti, soluble, ogs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resins).
Karaya, bbls., bxs., dms.....lb. .14 - .33
Kauri, brown, XXX, cs., c.l..lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80%, chips, cs., c.l., same basis..lb. .12¼- —
pale, XXX, cs., same basis.lb. .61 - —
1, cs., c.l., same basis....lb. .41 - —
2, cs., c.l., same basis....lb. .24 - —
3, cs., c.l., same basis....lb. .17¾- —
Kino, tins.....lb. No prices
Locust bean, powd., bbls.....lb. Nominal
Mastic, cs.....lb. 1.50 - 1.60
Myrrh, USP, cs.....lb. .50 - .55
Olibanum, siftings, cs.....lb. .09 - .10
tears, cs.....lb. .20 - .35
Opium (see O.).
Rosin (see R).
Sandarac, cks.....lb. .52½- .55
Scammony, cs.....lb. 1.10 - 1.75
Talha, bgs.....lb. .14 Nom.
Thus, bbls.....280 lbs.15.00 -15.25
Tragacanth, Alleppo, 1 cs....lb. 2.75 - 2.85
2 cs.....lb. 2.45 - 2.60
3 cs.....lb. 2.10 - 2.20
Yacca, bgs.....lb. .03½- .04
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.45 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
Harlem River, N. Y., frt. equald..ton.27.65 - —
New Brighton, N.Y.; frt. equald..ton.27.65 - —
Southard, Oklahoma, frt. equald..ton.17.00 - —
Sweetwater, Texas, frt. equald..ton.21.45 - —
Plaster of Paris, paper bxs., f.o.b. Blue Rapids, Kans., frt. equald..ton.12.50 - —
Acme, Tex., frt. equald.ton.12.50 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Oklahoma, frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
Gypsum, stucco, paper bgs., c.l., f.o.b. Acme, Tex.; Akron, N.Y.; Blue Rapids, Kans.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; Harlem River, N. Y.; National City, Mich.; New Brighten, N. Y.; Plasterco, Va.; Portsmouth, N. H.; Roton, Tex.; Saltville, Va.; Southard, Okla.; Sweetwater, Tex.; frt. equald.. ton. 8.00 - —
terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., ton.12.00 - —
Harlem River, N. Y..ton.12.00 - —
import, bgs., ex dock.....ton.28.00 Nom.

H

Hawthorn berries, bgs.....lb. .45 - .46
Heliotropin, cryst., cns.....lb. 3.00 - 3.40
Hellebore root, white, powd., bbls., lb. .18 - .19
Helonias root, bls.....lb. .53 - .55
Hematine crystals, bbls.....lb. .20 - .30
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03½- —
l.c.l., bbls., works.....lb. .03¾- —
tanks, works.....lb. .02¾- —
Hempseed, Manchur, bgs.....lb. .06½- .07
Henbane leaves, bls.....lb. 2.50 - 2.75
Henna leaves, bls.....lb. .30 - .32
powd., bbls., bxs.....lb. .35 - .37
Heptane, mixed, 77-113°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .09 - —
normal, 96-100°, dms., c.l., Group 3..gal. .11½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09 - —
Hexaldehyde, normal, dms., c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more, shipment, f.o.b. Perth Amboy or N.Y.C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs. or more, shipments, same basis..lb. .38 - —
fib. ctns., same basis.....lb. .40 - —
Hexane, normal, tanks, Group 3, gal. .09¾- —
dms., c.l., divd., Group 3.. gal. .24 - —
l.c.l., 5 or more, divd., Group 3..gal. .29 - —
1-5, divd., Group 3.....gal. .38 - —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexanol, dms., l.c.l., works...lb. .25 - —
Homatropine hydrobromide, 25 oz., bots..oz.17.50 -18.00
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit. 2.70 - 2.80
Hops, N.F., bls.....lb. .20 - .21
Horehound, bls.....lb. .11 - .12
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.20.00 - —
Hydrochloride, bots., 4 oz...oz.20.00 - —
Sulphate, bots, 4 oz.....oz.21.75 - —
Hydrastinine, 15 grs., bots...bot. 1.95 - —
Hydrastis (see Golden seal).
Hydrofluramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls..lb. .03¾- .04
100 vols., cbys., E. of Miss. River: West Coast via Panama Canal..lb. .16 - .18½
Hydroquinone, dealers, bbls., dms. lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.50 - 2.75
Hyoscine hydrobromide, bots..oz.65.00 -85.00
Hydrochloride, bots.....oz.74.00 -75.00
Hyoscyamine, bots.....oz.21.25 -22.25
Hydrobromide, bots.....oz.21.25 -22.25
Sulphate, bots.....oz.21.25 -22.25
Hypernic, ext., liquid, 50°, bbls. lb. .14 - —

I

Iceland moss, bls.....lb. .25 - .27
Ichthyol, bots.....lb. 4.00 - —
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 2.14 - 2.20
synth., liq., bbls.....lb. .16¼- .19
powd., bbls.....lb. .74½- .85
Indium metal.....oz.12.50 - —
Indol, CP, bots.....lb.32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.67 - —
kgs., 150 lbs., less 5%, ex whse, Staten Island..lb. 1.35 - 1.44
resubl., bots., 5 lbs.....lb. 2.10 - —
jars, 50 lbs.....lb. 2.00 - —
Iodoform, dms., 100 lbs.....lb. 3.95 - 4.10
jars .....lb. 4.20 - —
Ionone, alpha, bots.....lb. 2.75 - 2.80
Alpha, extra, bots.....lb. 2.75 - 2.80
beta, bots.....lb. 3.10 - 3.15
beta, bots.....lb. 3.90 - 3.95
Ipecac root, bgs.....lb. 1.65 - 1.95
powd., bxs.....lb. 1.75 - 2.05
Irish moss, ordinary, bls.....lb. .25 - .28
powd., 80-90 mesh, bbls..lb. .35 - .38
prime bleached, bls.....lb. .32 - .35
Iron acetate, N. F., IV, 100-lb. cbys..lb. .15 - —
dms., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., divd....lb. .03 - —
l.c.l., divd.....lb. .04 - —
Chloride (ferric), tech., anhydr., 390-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equald..lb. .07½- .08
liquor, cbys., wks., frt. alld. or equald..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs .....lb. .08½- —
solut. cbys., works, frt. alld. or equald..lb. .06½- .07
djns. .....lb. .07¼- —
Citrate, USP VIII, pearls...lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 3.15 - —
smaller lots.....lb. 3.25 - —
cns., 25 lbs.....lb. 3.37 - —
Hypophosphite, bbls., dms...lb. 1.50 - 1.60
Iodide, bots.....lb. 3.18 - 3.32
syrup, cbys.....lb. .39 - .40
bots. .....lb. .53 - —

Iron, nitrate, red, tech., dms..lb. .03½- .04
Oxalate, powd., kgs.....lb. .47 - .49
cns. .....lb. .52 - —
scales, cns.....lb. .82 - .85
Oxide, black, bbls., works...lb. .08 - —
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scale, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .65 - .75
Sulphate, tech. (see Coppers and ferric sulphate).
Sulphate, USP, cryst., 275-lb. bbls..lb. .04½- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., 2,000-lb. lots, dms.. lb. .32 - —
200-lb. lots, dms.....lb. .35 - —
pearls, 2,000-lb. lots, dms.. lb. .32 - —
200-lb. lots, dms.....lb. .35 - —
scales, 2,000-lb. lots, dms.. lb. .44 - —
200-lb. lots, dms.....lb. .47 - —
Prices on green are the same as for brown.
Iron-ammonia oxalate, bbls...lb .23½- —
dms., kgs.....lb. .25½- —
Iron-soda oxalate, bbls.....lb. .23½- —
dms. .....lb. .25½- .26½
Isobutylacetate, 55-gal. dms., works..lb. .0790- —
tanks, works.....lb. .0690- —
Propionate, dms., works.....lb. .09½- —
Isopentane, 50-gal. dms., single, works..gal. .45 - —
10-gal. dms., single, works..gal. .55 - —
Isophorone, dms., works.....lb. .25 - —
Isopropylamine, dms., works...lb. .35 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .11 - —
55 gals., c.l., E. of Rockies, frt. alld..lb. .07½- —
55 gals., l.c.l., E. of Rockies, frt. alld..lb. .08 - —
tanks, E. of Rockies, frt. alld..lb. .06½- —
Alcohol (see Alcohol).
Ether, dms., 5 gals., frt. alld.. gal. .35 - —
55 gals., c.l., E. of Miss., frt. alld..gal. .35 - —
55 gals., c.l., W. of Miss., frt. alld..gal. .39 - —
l.c.l., E. of Miss., frt. alld.. gal. .44 - —
tanks, E. of Miss., frt. alld.. gal. .25 - —
W. of Miss., frt. alld.. gal. .29 - —

J

Jaborandi leaves, bls.....lb. .11 - .12
Jalap root, NF, bls.....lb. .28 - .31
powd., bbls., bxs.....lb. .30 - .32
resin, lump, 100-lbs. lots, cns.lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, bgs.....lb. Nominal

K

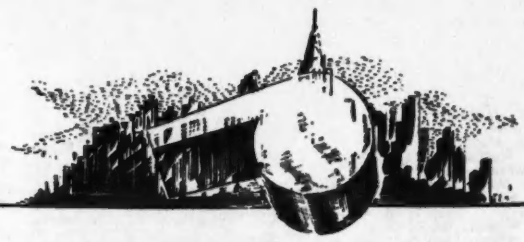
Kamala, tins.....lb. .30 - .32
Kaolin (see China clay).
Kava kava root, bls.....lb. .14 - .16
Kerosene at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .0320- —
California (f.o.b. San Francisco) truck..gal. .11½- —
Gulf ports, p.w., bulk....gal. .07½- —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .04 - .04¼
Oklahoma-Texas, 41-43 w.w., tanks..gal. .04¼- .04½
Pennsylvania, 45 w.w., tanks, gal. .05¼- .05¼
Kieserite, cal., 90-95% $MgSO_4$, bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices
Kola nuts, bgs.....lb. .08 - .09

L

Lady slipper root, bls.....lb. .36 - .37
Lanolin (see Adeps lanae)
Lard, city, tubs.....100 lbs. 8.75 - 9.00
Middlewestern, trcs....100 lbs. 8.35 - 8.45
Neutral, trcs.....100 lbs. 9.75 -10.00
Western, choice, trcs...100 lbs. 8.45 - 8.55
Compound, trcs.....100 lbs.11.25 -11.50
Larkspur seed, bgs.....lb. 1.90 Nom.
Laurel berries, bls.....lb. .25 - .26
Leaves, Greek, bls.....lb. .55 - .58
Portuguese, bls.....lb. .54 - .55
Lavender flowers, ordinary, bls.lb. .60 - .65
medium, bls.....lb. .80 - .85
select, bls.....lb. .90 - .95
Lead acetate, white, broken, bbls., lb. .11 - —
cryst., bbls.....lb. .11 - —
gran., bbls.....lb. .11¾- —
powd., bbls.....lb. .11¾- —
Arsenate, bgs., c.l.....lb. .09 - .09½
l.c.l., bgs.....lb. .09½- .10
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick ups.
Blue, basic sulphate, bbls., c.l., dlvd. E..lb. .06¼- —
dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .06¼- —
l.c.l., dlvd. E.....lb. .06½- —
dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .07 - —
Carbonate (see Lead, white).
Chloride, fib. dms., 100 lbs....lb. .49 - —
Iodide, NF V, powd., 5-lb. bots. lb. 2.80 - —
jars .....lb. 2.69 - —
Linoleate, pale, precip., dms., lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .10 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .11 - .14
Peroxide, powd., bbls., tech..lb. .23 - —
Oleate, bbls.....lb. .18½- .20
Lead, red, dry, 95% or less, Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash.....lb. .0860- —
Other points.....lb. .0935- —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. Cascade Mts. in Ore. and Wash...lb. .09 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash...lb. .09½- —
Colo., Mont., N. Mex., Wyo..lb. .09¼- —
Other points.....lb. .08¾- —
smaller lots, Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09¾- —
other points.....lb. .09¼- —
97%, Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc..lb. .0885- —
other points.....lb. .0860- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08¼- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .07½- —
other points.....lb. .09 - —
smaller lots, dlvd. Ala..lb. .09¾- —
Ariz., etc.....lb. .10¼- —
Colo., etc.....lb. .10 - —
other points.....lb. .09½- —
98%, Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc..lb. .0910- —
other points.....lb. .0885- —
l.c.l., 5 tons, dlvd. Ala., etc..lb. .09½- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09¾- —
other points.....lb. .09¼- —
smaller lots, dlvd. Ala., etc..lb. .10 - —
Ariz., etc.....lb. .10¼- —
Colo., etc.....lb. .10¼- —
other points.....lb. .09¾- —
in oil, 95% min., 100-lb. kgs., lb. .12½- —
Resinate, fused, 15%, bbls...lb. .09½- —
pale, bbls.....lb. .11½- —
Silicate, bgs., 5 tons.....lb. 6.59 - —
smaller lots.....lb. 7.01 - —
Stearate, bbls.....lb. .25 - —
Sulphate (see Lead, white basic sulphate).
Titinate, bgs. or bbls., c.l. (20 tons), works, frt. alld..lb. .10¼- —
l.c.l., 5 tons, one delivery, E., frt. alld..lb. .10½- —
Pac. Cst., ex whse....lb. .10½- —
smaller lots, E. frt. alld..lb. .10¾- —
Pac. Cst., ex whse....lb. .10¾- —
White, dry, basic carbonate, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07¾- —
other points.....lb. .07½- —
l.c.l., dlvd. Ariz., etc...lb. .08 - —
other points.....lb. .07¾- —

Iron Nitrate—Lime

Lead, white, dry, basic sulphate, bbls., c.l., dlvd. Ariz., etc...lb. .06¾- —
other points.....lb. .06½- —
l.c.l., dlvd. Ariz., etc...lb. .07 - —
other points.....lb. .06¾- —
in oil, 100-lb. kgs., consumers, lb. .13¼- —
dealers .....lb. .11¼- —
painters .....lb. .12¾- —
Consumers' prices and painters' prices are ½c. lower on orders of 500 lbs. or more.
Lecithin, 100%, cns., f.o.b., N. Y. or Chi..lb. 2.50 - —
edible, grade 1, dms., c.l., same basis..lb. .45 - —
l.c.l., same basis..lb. .47½- .65
grades 2 or 3, dom., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis..lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .53
grade 2 or 3, dms., c.l., same basis..lb. .27½- —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis, lb. .40 - —
Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. dms. When goods are packed in 500-lb. dms. prices are 1c. per lb. less.
Lemon peel, bls.....lb. .20 - .25
Licorice extract, mass, cs....lb. No prices
powd., bbls.....lb. No prices
root, cuttings, bls.....lb. .15 - .16
powd., bbls., bxs.....lb. .15 - .16
select, bdls, cs.....lb. .50 - .60
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa...ton. 8.50 - —
Crab Orchard, Tenn.ton. 6.25 - —
Eagle Mountain, Va.ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 7.00 - —
Knoxville, Tenn.....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Martinsburg, W. Va.ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 8.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton.13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
San Francisco, Cal..ton.13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —



Where the Traffic is

Preferred position to observe the life of a city — to guage its trends and sense their implications—is the main crossroads, where every kind is represented in streams that trickle, flow or surge.

Our customers—those who sell and those who buy chemicals—enjoy a constructive service which comes from our two generations of experience and from our location at the "crossroads of the chemical industry". From this position we keep an analytical eye on the trend of prices and stocks throughout the chemical world.

We solicit inquiries on these products and from manufacturers of non-competitive products.

TARTARIC ACID • CREAM OF TARTAR • ROCHELLE SALT
CITRIC ACID • SAPONIN • ACETIC ANHYDRIDE
ETHYLENE DIAMINE • LECITHIN • SODIUM PERBORATE

NEUBERG CHEMICAL CORPORATION

441 LEXINGTON AVENUE, NEW YORK CITY • TELEPHONE MURRAY HILL 6-1990

Lime, Hydrated—Morphine Sul.

Lime, hydrated, paper bgs., f.o.b.
- Bellefonte, Pa.....ton. 8.50 - —
- Berkley, W. Va.....ton. 8.50 - —
- Buffalo, N. Y.....ton.10.00 - —
- Carey, Ohio.....ton. 8.50 - —
- Cedar Hollow, Pa....ton. 8.00 - —
- Crab Orchard, Tenn.ton. 9.00 - —
- Eagle Mountain, Va.ton. 9.00 - —
- Farnams, Mass.....ton. 8.50 - —
- Gibsonburg, Ohio....ton. 8.50 - —
- Hannibal, Mo.....ton. 8.50 - —
- Keystone, Ala.....ton. 9.00 - —
- Knoxville, Tenn.....ton. 9.00 - —
- Le Roy, Minn.....ton.10.00 - —
- Lime Crest, N. J....ton. 8.50 - —
- Limedale, Ark.....ton. 9.00 - —
- Longview, Ala.....ton. 9.00 - —
- Louisville, Ky.....ton.14.50 - —
- Manistique, Mich....ton. 9.00 - —
- Marblehead, Ohio....ton. 9.50 - —
- Martinsburg, W. Va.ton. 8.50 - —
- Mitchell, Ind.....ton. 9.00 - —
- Newala, Ala.....ton. 9.00 - —
- Petoskey, Mich.....ton. 9.00 - —
- Port Island, Mich...ton. 9.00 - —
- Rapid City, S. D....ton.12.00 - —
- Ripplemead, Va.....ton. 9.00 - —
- San Francisco, Cal..ton.16.00 - —
- Springfield, Mo.....ton. 9.00 - —
- Woodville, Ohio.....ton. 8.50 - —
- York, Pa.....ton. 8.50 - —

spray, paper bgs., f.o.b. Bellefonte, Pa..ton. 9.00 - —
- Carey, Ohio.....ton.11.00 - —
- Farnams, Mass.....ton. 9.50 - —
- Gibsonburg, Ohio....ton.11.00 - —
- Lime Crest, N. J....ton. 8.50 - —
- Marblehead, Ohio....ton.11.00 - —
- Scioto, Ohio.....ton.10.00 - —
- Woodville, Ohio.....ton.11.00 - —
- York, Pa.....ton. 9.00 - —

Lime salts (see Calcium).

Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kans., Okla., Tex..lb. .07½- .08½
- dms., same basis.....lb. .10½- —
- 400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
- dms., same basis.....lb. .11 - —
- less than 400 lbs., same basis..lb. .08½- .09½
- dms., same basis.....lb. .12 - —
- solution, Zone 1, dms., consumers..gal. .16 - —
- Zone 2, tanks, dealers, wks., gal. .08½- —
- 30-50, dms.....gal. .11 - .16
- Zone 3, tanks, dealers, dlvd., gal. .07½- —
- 30-50 dms.....gal. .10½- .14½
- Zone 4, tanks, dealers, wks., gal. .08 - —
- dms., wks., except Cal.gal. .12 - —
- Zone 5, tanks, dealers, dlvd. gal. .10½- —
- dms.....gal. .12 - —
- Zone 6, tanks, dealers....gal. .07½- —
- 30-50 dms.....gal. .10 - .14

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1: includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. river. Zone 2: New England States. Zone 3: Ark., Ohio, Ind., Ill., Ia., Ky., Wis., Minn., Mo. and Tenn. west of Tenn. River; Penn., eastern tier, and W. Va. western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.

- Linalool, cns.....lb. 3.10 - 4.00
- Linalyl acetate, 70%, cns.....lb. 2.75 - 3.50
- 90%, cns.....lb. 3.75 - 4.45
- 92%, cns.....lb. 4.25 - 5.00
- Linden flowers, with leaves, bls.lb. .50 - .55
- without leaves, bls.....lb. .55 Nom.
- Linseed cake, bgs., export...ton.21.00 Nom.
- meal, bgs.....ton.26.00 -24.00
- Litharge, com'l powd., bbls., 20-tons, dlvd., Ala., Ariz., Ark.; Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0760- —
- Other points.....lb. .0735- —
- 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .08 - —
- Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .08½- —
- Colo., Mont., N. Mex., Wyo..lb. .08¼- —
- Other points.....lb. .07¾- —
- smaller lots, dlvd., Ala..lb. .08½- —
- Ariz., etc.....lb. .09 - —
- Colo., etc.....lb. .08¾- —
- Other points.....lb. .08¼- —
- Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
- 50 lbs., works.....lb. 1.93 - —
- 25 lbs., works.....lb. 1.95 - —
- Carbonate, NF VI, 250-lb. bbls..lb. 1.25 - —
- 100-lb. kgs.....lb. 1.30 - —
- Chloride, 25-lb. jars.....lb. 1.65 - 1.70
- Citrate, 250-lb. bbls.....lb. 1.40 - —
- 25-lb. dms.....lb. 1.45 - —
- 100-lb. kgs.....lb. 1.40 - —
- Fluoride, bbls.....lb. 2.10 - 2.25
- Iodide, 5-lb. bots.....lb. 5.20 - —
- 25-lb. jars.....lb. 5.05 - —
- Lithopone, titanated (high-strength), bgs., c.l. (20 tons)..lb. .05¼- —
- smaller lots.....lb. .05½- —
- bbls., c.l. (20 tons).....lb. .05½- —
- smaller lots.....lb. .05¾- —
- ordinary, bgs., c.l. (20 tons).lb. .0385- —
- smaller lots.....lb. .0410- —
- bbls., c.l. (20 tons).....lb. .0410- —
- smaller lots.....lb. .0435- —

Lithopone in car lots is delivered East or the Pacific Coast and in less than car-lot quantities delivered East or ex warehouse Pacific Coast.

- Liverwort, leaves, bls.....lb. .60 - .65
- Lobelia, herb, bls.....lb. .23 - .25
- Seed, bgs.....lb. .35 - .36
- Logwood extract, cryst., bbls..lb. .20 - .24
- liquid, 51°, bbls.....lb. .10½- .12½
- solid, bxs.....lb. .16½- .20½
- Lovage root, dms., bls.....lb. .45 - .50
- imported, bls.....lb. .45 Nom.
- Lupulin, N.E., tins.....lb. 1.65 - 1.70
- Lycopodium, cs.....lb. 4.50 - 4.75

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- Mace, Banda, cs.....lb. .47 - .48
- Batavia, cs.....lb. .30 - .31
- Siauw, cs.....lb. .37 - .38
- West Indian, cs.....lb. .39 - .39½
- Madder, Dutch, bbls.....lb. .22 - .23
- Magnesia, arsenate, dms.....lb. .18 - .20
- Calcined, tech., USP, bbls., wks..lb. .26 - —
- Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼- —
- bbls.....lb. .07½- —
- kgs.....lb. .08¾- —
- l.c.l., bgs.....lb. .07¼- —
- bbls.....lb. .08¼- —
- kgs.....lb. .09¾- —
- Zone 2, c.l., bgs.....lb. .06¼- —
- bbls.....lb. .07½- —
- kgs.....lb. .08¾- —
- l.c.l., bgs.....lb. .07 - —
- bbls.....lb. .08¼- —
- kgs.....lb. .09½- —
- USP, Zone 1, c.l., bgs.....lb. .08 - —
- bbls.....lb. .08¼- —
- kgs.....lb. .09¾- —
- l.c.l., bgs.....lb. .09 - —
- bbls.....lb. .09¼- —
- kgs.....lb. .10¾- —
- Zone 2, c.l., bgs.....lb. .08 - —
- bbls.....lb. .08¼- —
- kgs.....lb. .09¾- —
- l.c.l., bgs.....lb. .08¾- —
- bbls.....lb. .09¼- —
- kgs.....lb. .10¾- —
- Other points.....lb. .08 - —

Magnesia:—Zone 1—Mass., Conn., R. I., N.Y., N.J., Pa., D. of C., Del. and Md., c.l. shipments, frt. equald, with Phillipsburg, Ambler, Plymouth Meeting, Valley Forge, and New York. On l.c.l. shipments, frt. alld., including dlvd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U.S.; prices f.o.b. Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.

- Magnesium, chloride, anhyd., dom., bbls., dlvd..lb. .13 - —
- flake, dom., bbls., wks., c.l., tons.32.00 - —
- l.c.l., bbls., wks.....ton.39.00 -42.00
- Hydroxide, med., 200-lb. bbls.lb. .25 - —
- 25-lb. dms.....lb. .30 - —
- 100-lb. kgs.....lb. .26 - —
- Hypophosphite, cns., 100 lbs..lb. 1.45 - —
- Oxide (see Calcined).
- Palmitate, bbls.....lb. .33 Nom.
- Peroxide, 15%, dms., works..lb. 1.00 - 1.35
- Silicate (see Talc).
- Silicofluoride, bbls.....lb. .11 - .11¼
- Stearate, bbls., ctns., c.l.....lb. .23 - —
- 1 ton.....lb. .24 - —
- 1,000-2,000 lbs.....lb. .25 - —
- smaller lots.....lb. .26 - —
- Sulphate (see Epsom salt).
- Trisilicate, 1,000-lb. contracts, dms..lb. .40 - —
- smaller lots, dms.....lb. .45 - —
- cs., 500-lb. lots.....lb. .43 - —
- 100-lb. lots.....lb. .45 - —
- 5-lb. cns.....lb. .63 - —
- Magnesite, cal., dom., bgs...ton.67.00 -75.00
- imports, bgs., duty paid..ton. No prices
- dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash..ton.22.00 -25.00
- Malva flowers, black, bls.....lb. .90 - .95
- blue, bls.....lb. .90 - .95
- Leaves, bls.....lb. .40 - .45
- Manaca root, bls.....lb. .23 - .24
- Mandrake root, bls.....lb. .12 - .18
- Manganese acetate, dms.....lb. .26½- —
- Arsenate, bgs.....lb. .12 - .12½
- Borate, tech., bbls.....lb. .15 - .16
- Carbonate, bbls.....lb. .19 - —
- Chloride, bbls.....lb. .14 Nom.
- Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works, ton.71.50 - —
- 5-15 tons, works.....ton.74.50 - —
- ½, 4 tons, works.....ton.79.50 - —
- Caucasian, 85-90%, bbls., c.l., works..ton.74.00 - —
- l.c.l., 5 tons, works.....ton.77.00 - —
- smaller lots, works..ton.82.00 - —
- burlap bgs., c.l., works, ton.71.75 - —
- l.c.l., 5 tons, works...ton.74.75 - —
- smaller lots, works...ton.79.75 - —
- paper bgs., c.l., works...ton.70.00 - —
- l.c.l., 5 tons, works...ton.73.00 - —
- Glycerophosphate, bbls., kgs., 1,000-lb. lots..lb. 2.90 - —
- smaller lots.....lb. 3.00 - —
- cns., 25 lbs.....lb. 3.12 - —
- Hydrate, bbls., dlvd.....lb. .82 - —
- Iodide, bots., 5 lbs.....lb. 5.70 - —
- jars, 25 lbs.....lb. 5.55 - —
- Linoleate, liquid, 4%, dms...lb. .18 - .19½
- solid, precip., 8.2%, bbls...lb. .19 - —
- Ore, Cuban, 51-52%, basis Atl. ports..unit-ton. .71 Nom.
- Resinate, fused, 3½%, bbls..ton. .08¼- .08½
- precip., dms.....lb. .12 - —
- Sulphate, anhyd., ton lots, wks., lb. .10¼- —
- single, bbls., works.....lb. .10¾- —
- fertilizer, 65%, MnSo., bgs., c.l., dlvd., South..ton.57.00 - —
- l.c.l., bgs.....ton.65.00 -75.00
- Mangrove bark, bgs., shipt...ton.36.00 - —
- Manna flake, large, cs.....lb. 2.00 Nom.
- small, cs.....lb. 1.50 Nom.
- Mannitol, com'l grade, bbls., ton lots, works..lb. .35 - —
- smaller lots, works.....lb. .40 - —
- reagent grade, 50-lb. cs., or multiples, works..lb. .85 - —
- Marble flour, bgs.....ton.12.00 -14.00
- Marjoram, French, No. 1.....lb. .60 - .61
- Tunisan, bls.....lb. .33 Nom.
- Chilean.....lb. .10½- .11
- Menthol, natural, Chinese, cs..lb. 4.05 - 4.15
- Japanese, cs.....lb. 4.10 - 4.20
- synthetic, USP, cs.....lb. 3.65 - —
- Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
- 25-lb. lots.....lb. 3.10 - —
- Mercurial ointment, 30%, pails.
- 50 lbs.....lb. 1.34 - —
- 25 lbs.....lb. 1.36 - —
- 50%, pails, 50 lbs.....lb. 1.94 - —
- 25 lbs.....lb. 1.96 - —
- Mercury (see Quicksilver).
- Ammoniated (see White precipitate).
- Bichloride (see Corrosive sublimate).
- Bisulphate, 5-lb. bots.....lb. 2.82 - —
- 100-lb. fib. dms.....lb. 2.69 - —
- 25-lb. jars.....lb. 2.71 - —
- Chloride (see Calomel).
- Cyanide, cryst.....lb. 4.00 - 4.05
- powd.....lb. 4.00 - 4.05
- Iodide, red, NF, 5-lb. bots...lb. 4.51 - —
- 100-lb. fib. dms.....lb. 4.40 - —
- yellow, 5-lb. bots.....lb. 4.61 - —
- fib. dms., 100 lbs.....lb. 4.50 - —
- Nitrate ointment (see Citrine ointment).
- Oxide, red, NF (see Red precipitate).
- tech. (see Red, mercury oxide).
- yellow, tech. (see Yellow, mercury oxide).
- NF VI, fib. dms., 50 lbs., or more..lb. 3.18 - —
- Mercury and chalk, 5-lb. ctns..lb. 1.85 - —
- 25-lb. fib. dms.....lb. 1.73 - 1.75
- Mesityl oxide, dms., c.l., dlvd..lb. .11½- —
- l.c.l., dlvd.....lb. .12 - —
- tanks, dlvd.....lb. .10½- —
- Metal leaf, Japanese, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 2.50 - —
- composition, 5½x5½ in....pkg. 3.00 - —
- gold, XX, deep, 23K, 3⅜x3⅜ in. pkg.15.00 - —
- silver, 3⅜x3⅜ in.....pkg. 3.00 - —
- Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
- Metaphenylenediamine, kgs....lb. .65 - —
- Metatoluylenediamine, kgs.....lb. .65 - —
- Methanol, natural, producer group A, denat., grade tanks...gal. .43 - —
- 95%, tanks.....gal. .41 - —

Methanol in drums, car lots, is 5c. per gal. higher, frt. alld., east of the Miss. river. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums; car lots.

- group B, pure, tanks, frt. alld. Zone, 1..gal. .30 - —
- Zone 2.....gal. .32 - —
- Zone 3.....gal. .34 - —
- Zone 4.....gal. .34½- —
- dms., c.l., Zone 1.....gal. .35½- —
- Zone 2.....gal. .37½- —
- Zone 3.....gal. .39½- —
- Zone 4.....gal. .41½- —
- l.c.l., Zone 1.....gal. .38 - —
- Zone 2.....gal. .45½- —
- Zone 3.....gal. .42 - —
- Zone 4.....gal. .53½- —

group B, 95%, frt. alld., prices 2c. less than pure, all zones.
97%, frt. alld., prices 1c. less than pure, all zones.

Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Tenn., R. I., Vt., Va., W. Va., Wisc.; zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; zone 4, Ariz., Cal., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash.

Methanol, synthetic, pure, dms.,
- c.l., Zone 1, frt. alld..gal. .35½- —
- 2, frt. alld.....gal. .37½- —
- 3, frt. alld.....gal. .39½- —
- 4, frt. alld.....gal. .41½- —
- l.c.l., Zone 1, frt. alld. or dlvd..gal. .38 - —
- 2, frt. alld. or dlvd..gal. .45½- —
- 3, dlvd., S. F. and L. A., gal. .42 - —
- 4, frt. alld. or dlvd..gal. .53½- —
- tanks, Zone 1, frt. alld..gal. .30 - —
- 2, frt. alld.....gal. .32 - —
- 3, frt. alld.....gal. .34 - —
- 4, frt. alld.....gal. .34½- —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms.,
- c.l., E. of Miss. R..lb. .10½- —
- W. of Miss. R.....lb. .11½- —
- l.c.l., dms., dlvd., E. of Miss. R..lb. .11 - —
- W. of Miss. R.....lb. .12 - —
- tanks, dlvd. E. of Miss. R. lb. .09½- —
- W. of Miss. R.....lb. .10½- —
- tech., dms., c.l., dlvd. E. of Miss. R..lb. .07 - —
- W. of Miss. R.....lb. .08 - —
- l.c.l., dlvd. E. of Miss. R..lb. .07½- —
- W. of Miss. R.....lb. .08½- —
- tanks, dlvd. E. of Miss. R. lb. .06 - —
- W. of Miss. R.....lb. .07 - —
- Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
- Acetone, natural, group A producers, E. of Rockies, frt. alld., tanks..gal. .40 - —
- dms., c.l., same basis...gal. .45½- —
- l.c.l., same basis...gal. .50½- —

Methyl acetone prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

- Methyl acetone, natural, group B, producers, tanks, Zone 1..gal. .35 - —
- Zone 2.....gal. .37 - —
- Zone 3.....gal. .39 - —
- Zone 4.....gal. .39½- —
- dms., c.l., Zone 1.....gal. .40½- —
- Zone 2.....gal. .42½- —
- Zone 3.....gal. .44½- —
- Zone 4.....gal. .46½- —
- l.c.l., Zone 1.....gal. .43 - —
- Zone 2.....gal. .50½- —
- Zone 3.....gal. .47 - —
- Zone 4.....gal. .53½- —

Natural methyl acetone sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3, Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4, Ariz., Cal., Mont., Nev., N. Mex., Ore., Utah, Idaho, Wash.

Methyl acetone, synthetic, tanks, Zone 1..gal. .37½- —
- Zone 2.....gal. .39 - —
- Zone 3.....gal. .40 - —
- dms., c.l., Zone 1.....gal. .45½- —
- Zone 2.....gal. .47 - —
- Zone 3.....gal. .48 - —
- l.c.l., Zone 1.....gal. .49 - —
- Zone 2.....gal. .51½- —
- Zone 3.....gal. .52½- —

Alcohol (see Methanol).

- Anthranilate, bots.....lb. 2.00 - 2.30
- Benzoate, cns., 25 lbs.....lb. .70 - 1.00
- Chloride, refrigeration, 500 lbs., and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
- service men and consumers, cyl..lb. .36 - —
- 60 to 490 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
- service men and consumers, cyl..lb. .40 - —
- tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
- service men and consumers..lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

- Methyl, cinnamate, bls.....lb. 1.50 - 4.00
- Formate, dms.....lb. .89 - —
- Lactate, dms., l.c.l., dlvd...lb. .80 - —
- Iodide, bots.....lb. 4.00 - 4.15
- Salicylate, dms.....lb. .35 - .37
- cns.....lb. .37 - .40
- Molybdated violet toner, bbls.lb. .35 - —
- Methylamyl ketone, dms., works, l.c.l..lb. .25 - —
- smaller containers, same basis, lb. .28 - —
- Methylcellulose, dms., 2,000 lbs. or more, works..lb. .50 - —
- 100 to 1,999 lbs., works...lb. .55 - —
- 1 to 99 lbs., works.....lb. .60 - —
- Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
- Methylcyclohexanol, 98-100%, dms., works..lb. .23 - —
- Methylcyclohexanone, 98 - 100%, dms., works..lb. .32 - —
- Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
- cns., 5 lbs.....lb. 2.35 - —
- Chloride, dms., f.o.b. works..lb. .18 - .22
- Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .07½- —
- l.c.l., same terms.....lb. .08 - —
- tanks, same terms.....lb. .06¼- —
- Methylhexyl ketone, dms., tech., works..lb. .60 - —
- Methylisobutyl ketone, dms., c.l., dlvd..lb. .11½- —
- l.c.l., dlvd.....lb. .12 - —
- tanks, dlvd.....lb. .10½- —
- Methylnaphthyl ketone, dom., cryst., bots..lb. 2.40 - 2.50
- imp., bots.....lb. 3.10 - —
- Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
- l.c.l., same basis.....ton.11.00 - —
- 180 mesh, containers extra, c.l., same basis..ton.11.00 - —
- l.c.l., same basis.....ton.13.00 - —
- 250 mesh, containers extra, c.l., same basis..ton.12.00 - —
- l.c.l., same basis.....ton.14.00 - —
- 325 mesh, containers extra, c.l., same basis..ton.15.00 - —
- l.c.l., same basis.....ton.17.00 - —
- 400 mesh, containers extra, c.l., same basis..ton.17.50 - —
- l.c.l., same basis.....ton.19.50 - —
- Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, c.l., works..ton.30.00 - —
- l.c.l., 5,000 lbs., works, ton.40.00 - —
- 1,000 lbs., works..lb. .02 - —
- 500 lbs., works..lb. .02½- —
- 100 lbs., works..lb. .03 - —
- refined, bgs., extra and returnable, c.l., works, ton.20.00 - —
- l.c.l., 5,000 lbs., works, ton.30.00 - —
- paint, bgs. extra and returnable, c.l., works..ton.55.00 - —
- l.c.l., 5,000 lbs., works, ton.65.00 - —
- white, No. 1 quality, bgs., extra and returnable, c.l., works..ton.35.00 - —
- l.c.l., 5,000 lbs., works, ton.45.00 - —
- 1,000 lbs., works...lb. .02½- —
- 500 lbs., works...lb. .03 - —
- roofing, bgs., extra and returnable, c.l., works....ton.29.00 - —
- l.c.l., 5,000 lbs., works, ton.39.00 - —
- paint, bgs. extra and returnable, c.l., works..ton.60.00 - —
- l.c.l., 5,000 lbs., works, ton.70.00 - —
- wet-ground, paint or lacquer, bgs., c.l., frt. alld. E..lb. .04½- —
- l.c.l., ex whse., or frt. alld. E..lb. .05 - —
- paper, wall or coated, bgs., c.l., frt. alld. E..lb. .04⅝- —
- l.c.l., ex whse., or frt. alld. E..lb. .04⅞- —
- rubber, bgs., c.l., frt. alld. E. lb. .04 - —
- l.c.l., ex whse., or frt. alld. E..lb. .04½- —
- Biotite, bgs., c.l., frt. alld. E..lb. .03½- —
- l.c.l., ex whse. or frt. alld. E..lb. .04 - —

Wet-ground mica prices are ½c. per pound higher west of Rockies.

- Milk, powder, skimmed, roller, bbls., c.l..lb. .07 - —
- l.c.l.....lb. .08 - —
- spray, bbls., c.l.....lb. .07½- —
- l.c.l.....lb. .08½- —
- unskimmed, roller, bbls., c.l., lb. .15½- —
- l.c.l.....lb. .16½- —
- spray, bbls., c.l.....lb. .16 - —
- Millet seed, yellow, bgs.....lb. .0250-.0280
- early fortune, bgs.....lb. .02¼- .02¾
- hulled, bgs.....lb. .06½- .06¾
- Mineral spirits (see Petroleum thinners and VM & P naphtha).
- Molasses, blackstrap, tanks, f.o.b. No. Atlantic ports..gal. .08 - —
- f.o.b. Gulf ports.....gal. .07½- —
- Molybdate orange (see Orange, molybdate).
- Molybdenum metal, kgs., 99%, powd..lb. 2.60 - 3.00
- Trioxide, pure, kgs., basis Mo. content, works..lb. .95 - —
- technical, kgs., basis Mo. content, works..lb. .80 - —
- Monoamylamine, dms., basis 100%, c.l., wks..lb. .50 - —
- l.c.l., works.....lb. .53 - —
- Monoamylnaphthalene, l.c.l., dms. works..lb. .20 - —
- Monobutylamine, dms., basis 100%, c.l., wks..lb. .37 - —
- l.c.l., works.....lb. .40 - —
- Monochlorobenzene, dms., l.c.l. lb. .06 - .08
- Monoethanolamine, dms., c.l., works..lb. .24 - —
- l.c.l., dms.....lb. .25 - —
- tanks.....lb. .23 - —
- Monoethylamine, basis 100%, dms., c.l., works..lb. .32 - —
- l.c.l., works.....lb. .35 - —
- Monoethylanilin, dms.....lb. .77 Nom.
- Monomethylamine, dms., c.l., dlvd..lb. .60 - —
- l.c.l., dlvd.....lb. .65 - —
- Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
- Monomethylpara-aminophenol-sulphate, dms..lb. 3.75 - 4.00
- Monosodiumphosphate (see Soda phosphate monobasic).
- Morphine, bots., 5 ozs.....oz.11.10 - —
- cns., 25 ozs.....oz.10.90 - —
- Acetate, bots., 5 ozs.....oz. 9.00 - —
- bots., 25 ozs.....oz. 8.80 - —
- Ethylhydrochloride, bots., 5 ozs., oz.10.75 - —
- cns., 25 ozs.....oz.10.55 - —
- Hydrobromide, bots., 5 ozs..oz. 8.95 - —
- cns., 25 ozs.....oz. 8.75 - —
- Sulphate, bots., 5 ozs.....oz. 9.00 - —
- cns., 25 ozs.....oz. 8.80 - —

Morpholine, dms., 55 gals., l.c., works	lb.	.67	—
smaller containers, works	lb.	.75	—
Mullein leaves, cans	lb.	.15	- .16
flowers, cns	lb.	2.00	Nom.
Musk, nat., Tonquin, grained, bots	oz.	30.00	-35.00
synth., ambrette, cns., 100 lbs. or more	lb.	3.75	—
5 lbs. to 75 lbs	lb.	3.85	—
1 lb	lb.	4.20	—
ketone, cns., 100 lbs. or more	lb.	3.90	—
5 lbs. to 75 lbs	lb.	4.00	—
1 lb	lb.	4.35	—
xylol, cns., 100 lbs. or more	lb.	1.15	—
5 lbs. to 75 lbs	lb.	1.25	—
1 lb	lb.	1.55	—
Musk root, bls	lb.	.50	- .00
Mustard seed, California, brown	lb.	.16	- .16½
yellow, bgs	lb.	.16	- .16½
Chinese, yellow, bgs	lb.	.08½	- .09
Danish, yellow	lb.	.26½	- .27
Mustard seed, Dutch, yellow, bgs	lb.	No stocks	
English, yellow, bgs	lb.	.26	- .27
Montana, yellow, bgs	lb.	.11½	- .12
Roumanian, yellow	lb.	.15	- .15½
Myrobalans, J1, bgs., f.a.s	ton.	No price	
J2, bgs., f.a.s	ton.	No price	
Extract, liquid, 25%, bbls	lb.	No prices	
solid, 50%, bbls	lb.	No prices	
powdered, bbls	lb.	.07½	- .08

N

Naphtha, Painters (see Petroleum, naphtha, V. M. & P.).			
Solvent (see S).			
Naphthalene, crude, dom., 74 deg., tanks, works	100 lbs.	2.25	—
78 deg., tanks, works	100 lbs.	2.50	—
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works	lb.	.07	—
50-lb. cs., same basis	lb.	.07¼	—
pkgs. (16 oz.), same basis	lb.	.07½	—
(12 oz.), same basis	pkg.	.06¼	—
Nerolin, cryst., cns	lb.	1.25	- 1.35
Nickel carbonate, bbls	lb.	.36	- .36½
Chloride, bbls	lb.	.18	- .20
Cyanide, 100 lbs., dms	lb.	1.40	—
25-lb. bot	lb.	1.50	—
Oxide, black, bbls	lb.	.35	- .38
Salt, bbls	lb.	.13	- .13¼
Nicotine, sulphate, 40%, dms., works, frt. alld	lb.	.703	—
10-lb. tins	lb.	.86½	—
Nitercake, bulk, works	ton.	16.00	—
Nitrobenzene, dbl. dist., dms., c.l.	lb.	.08	—
l.c.l.	lb.	.09	—
tanks	lb.	.07	—
Nitrocellulose, alcohol-soluble, ½, and 40 sec. vis., bbls., wks.	lb.	.28	—
bronzing, 20, 40, 70 sec. vis., bbls., works	lb.	.29	—
ester, soluble, 30-35 eps., ¼, ½ sec., bbls., c.l., dry weight, works	lb.	.22	—
l.c.l., cps., ¼, ½ sec., bbls., dry weight, works	lb.	.26	—
5-6, 15-20, 30-40, and 60-80 sec., bbls., c.l., dry weight, works	lb.	.20	—
l.c.l., 5-6, 15-20 sec., high vis., bbls., works	lb.	.25	—
lacquer, 20-30 and 60-80 sec., vis., bbls., works	lb.	.29	—

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitroethane, l.c.l., dms., works	lb.	.25	—
Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports	unit-ton.	1.21	58- —
Nitrogenous fertilizer material, dom., 10% ammon., bulk, f.o.b. Carrollville, Wis., dlvd.	unit-ton.	1.90	—
f.o.b. Chemical, Ill.	unit-ton.	1.90	—
f.o.b. East Coast producing points	unit-ton.	2.20	—
import, bgs., c.i.f. Atlantic ports, shipt.	unit-ton.	No prices	
Nitromethane, l.c.l., dms., works	lb.	.25	—
Nitronaphthalene, bbls	lb.	.24	- .25
Nitropropane I, l.c.l., dms., works	lb.	.25	—
II, same basis	lb.	.25	—
Nutgalls, Alleppo, bgs., oz	lb.	.26	- .29
Chinese	lb.	.21	- .22
Extract (see Gall extract).			
Nutmegs, E. I., 80s, bgs., cs.	lb.	.18½	- .19
110s, bgs., cs	lb.	.16½	- .17
small, grinding, bgs	lb.	.15½	- .16
West Indian, bgs	lb.	.13	- .13½
Nux vomica, bls	lb.	.07	- .08
powd., bbls., bxs	lb.	.11	—.12

O

Oakbark extract, 25% tan., bbls., c.l., works	lb.	.03½	—
l.c.l., bbls., works	lb.	.03¾	—
tanks	lb.	.02¾	—
Ocher (see Yellow).			
Octane, 100-140° C., mixed, dms., c.l., G.3.	gal.	.12¼	—
l.c.l., G.3	gal.	.17	—
tanks, G.2	gal.	.10½	—
Octanol, normal, tech., 360-lb. dms., dlvd.	lb.	.35	—
Oil, almond, bitter, artif. (see Benzaldehyde).			
natural, bots	lb.	No stocks	
s.p.a., bots	lb.	No stocks	
sweet, true, exp., cns	lb.	1.55	- 1.95
Amber, crude, cns	lb.	No stocks	
ref'd, cns	lb.	No stocks	
Amyris, cns	lb.	4.00	- 5.00
Angelica, root, bots	lb.	135.00	-150.00
Anilin (see A).			
Anise, USP, cns., dms	lb.	.80	- .85
Apricot, kernels, cns	lb.	.40	- .48
Bay, W. I., 50-55% phenols, cns.	lb.	1.10	- 1.30
55-60% phenols, cns	lb.	1.20	- 1.45
Bergamot, artif., cns	lb.	1.50	- 9.25
natural, coppers	lb.	22.00	Nom.
Birch (see Oil, sweet birch).			
Birchtar, crude, cns	lb.	.50	- .60
rect'd., cns	lb.	1.60	Nom.
Bois de rose, Brazil, cns	lb.	2.15	- 2.60
Cade USP IX (see Oil Juniper tar).			
Cajeput, tech., dms	lb.	.78	- 1.00
USP IX, cns	lb.	.83	- 1.45
USP X, cns	lb.	.98	- 1.85
Calamus, cns	lb.	No stocks	
Camphor, sassafrassy, cns	lb.	.24	- .25
dms.	lb.	.21	- .22
white, cns	lb.	.27	- .30
dms.	lb.	.24	- .27
Cananga, native, cns	lb.	5.50	- 5.75
rectified, cns	lb.	6.00	- 7.00
Capsicum (oleoresin), USP VIII, cns.	lb.	3.75	- 4.75
Caraway, USP, cns	lb.	9.00	Nom.
Cardamom, bots	lb.	22.00	-27.00
Cassia, USP, cs., dms	lb.	2.25	- 2.50
Castor blown, one-way dms., c.l.	lb.	.12¾	—
l.c.l.	lb.	.13½	—
cold pressed, USP, bbls., c.l.	lb.	.10¼	—
l.c.l.	lb.	.12	—
cns. (1-gal.), l.c.l.	lb.	.15	—
dms. (returnable), c.l.	lb.	.11	—
l.c.l.	lb.	.11¾	—
(5-gal.), l.c.l.	lb.	.13	—
tanks	lb.	.10½	—
dehydrated, dms., c.l.	lb.	.1420	—
l.c.l.	lb.	.1460	—
tanks	lb.	.13½	—
extracted No. 3, tech., bbls., c.l.	lb.	.11	—
l.c.l.	lb.	.11¾	—
dms. (returnable), c.l.	lb.	.10¾	—
l.c.l.	lb.	.11½	—
tanks	lb.	.10¼	—
sulphonated, 50% (45% fat), dms., c.l.	lb.	.06½	—
l.c.l.	lb.	.07½	—
75% (69% fat), dms., c.l.	lb.	.09¼	—
l.c.l.	lb.	.10¼	—
80% (68% fat), dms., c.l.	lb.	.09½	—
l.c.l.	lb.	.10¼	—

Castor oil, USP, and No. 3, prices are dlvd. all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way drums ¼c. higher, all points.

Cedarleaf, cs	lb.	.85	- 1.35
dms.	lb.	.82	- 1.28
Cedarwood, Southern, cns	lb.	.28	- .30
dms.	lb.	.26	- .28
Celery, bots	lb.	24.00	-30.00
Chaulmoogra, USP, cns	lb.	.68	—
Chinawood, dms	lb.	.30¼	Nom.
tanks	lb.	.28½	Nom.
Cinnamon, Ceylon, bots	lb.	9.75	-27.00
Citronella, Ceylon, cns	lb.	.44½	- .52
dms.	lb.	.42½	- .50
Java, cns., dms	lb.	.41	- .50
Clove, makers, USP, cns	lb.	1.20	- 1.25
dms.	lb.	1.15	- 1.20
Coconut, Manila, crude, tanks,	lb.	.06½	Nom.
edible, 76°, dms., c.l.	lb.	.11	Nom.
l.c.l.	lb.	.11½	Nom.
tanks	lb.	No prices	
Cod, Newf., bbls	gal.	.75	Nom.
Codliver, med., USP, bbls	bbl.	80.00	-85.00
Coriander, bots	lb.	14.50	-19.00
Corn, crude, tanks, wks	lb.	.09¾	Nom.
refd., bbls	lb.	.11½	Nom.
Cottonseed, cooking, bbls	lb.	.10¾	—
salad, bbls	lb.	.11	- —
Creosote (see C).			
Croton, N.F., cns	lb.	2.35	- 3.00
Cubeb, USP, cns	lb.	3.50	- 3.75
Crude (see Petroleum, crude).			
Cumin, bots	lb.	9.00	-10.00
Cypress, bots	lb.	5.25	- 5.50
Degrass (see D).			
Dill seed, bots	lb.	5.25	- 6.00
weed, bots	lb.	5.50	- 5.60
Dip (see L).			
Erigeron, cns	lb.	2.25	- 2.30
Eucalyptus, cns	lb.	.68	- .71
dms.	lb.	.65	- .68
Fennel, sweet, cns	lb.	2.00	- 2.10
Gaultheria (see Oil, wintergreen leaf).			
Geranium, Algerian, rose, cns.	lb.	14.00	-15.00
Bourbon, cns	lb.	13.75	-15.00
Turkish (see Palmarosa).			

Morpholine—Oil, Lime

Oil, grapefruit, cns	lb.	1.60	- 1.65
grapeseed, dom., dms	lb.	.35	- .36
imported, dms	lb.	.15	- .20
Ginger, dist., bots	lb.	5.25	- 5.50
Guaiac wood, concrete, bots	lb.	3.50	- 3.75
Haarlem, imp., bots	gross.	No prices	
Halibut liver, ref., dms	gal.	40.00	—
Hemlock, cns	lb.	.85	- .95
Juniper, berry, cns	lb.	11.00	Nom.
wood, tech., cns	lb.	No stocks	
Juniper tar, USP XI, dms	lb.	.55	- .75
Lard, common, 1, bbls	lb.	.10¾	—
2, bbls	lb.	.10¾	—
extra, bbls	lb.	.11¼	—
1, bbls	lb.	.11	—
Winter, strained, bbls	lb.	.11½	—
prime, burning, bbls	lb.	.12	—
prime, ined., bbls	lb.	.11¾	—
Laurel, bots	lb.	5.00	Nom.
Lavandin, cns., 25 lbs	lb.	5.00	- 6.00
Lavender flower, French, 50% ester, cns.	lb.	No prices	
38-42% ester, cns	lb.	10.00	-12.00
35-38% ester, cns	lb.	No prices	
30-32% ester, cns	lb.	No prices	
garden, cns	lb.	.55	- .70
spike, Spanish, tech., cns.	lb.	1.95	- 2.15
dms.	lb.	1.90	- 2.00
Lemon, Calif., cns	lb.	3.25	- —
Messina, coppers, cns	lb.	4.75	- 5.00
Terpeneless, Type 1	lb.	16.75	-17.00
Type 2	lb.	8.50	-15.00
Lemongrass, native, cns., dms.,	lb.	1.25	- 1.40
Lime, dist., cns	lb.	5.50	- 6.00
expressed, cns	lb.	8.75	- 9.25
Terpeneless	lb.	60.00	-65.00

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PRODUCTS DEPARTMENT, ONTARIO, CALIFORNIA

PRODUCING PLANT: EXCHANGE LEMON PRODUCTS CO., CORONA, CALIFORNIA

Copr., 1940, California Fruit Growers Exchange, Products Department

Oil, Linaloe—Orthocresol

Oil, linaloe, wood, cns.....lb. 1.75 - 2.00
Linseed, raw, dms., c.l.....lb. .1070- .1090
l.c.l., 10 to 69.....lb. .1100- .1120
5 to 9.....lb. .1130- —
less than 5.....lb. .1150- —
tanks .....lb. .1000- .1020
Boiled linseed oil .004 cent over raw.
Lovage, extra fine, bots.....lb.85.00 - —
Lubricating, at refinery, ex tax
California, neutrals, pale, 100-600 vis., 2¼-4, tanks, gal. .07¼- .11
red, 200-900 vis., 4-6½ plus, tanks..gal. .07¼- .11½
Group 3, bright stocks, 100-210 D, 0-25 pour, tanks, gal. .13½- .19
neutrals, 150-400 vis., 3-3½, 0-10 pour, tanks..gal. .08½- .12½
200-280 vis., 3, 15-25 pour, tanks..gal. .08½- .10½
Pennsylvania, bright stocks, S color, 140-150 vis., 10-25 pour, tanks..gal. .17 - .19½
cylinder oils, 600-630 flash, tanks..gal. .10 - .12
600-650 steam ref'd., tanks..gal. .00½- .13
neutral, 70° F., 3 color, 150 vis., 0-25 pour, tanks, gal. .23 - .26½
200 vis., 0-25 pour tanks..gal. .25 - .28½
Mace, dist., cns., dms.....lb. 2.25 - 2.40
Mandarin, superior, coppers.lb. 9.00 -10.00
Oil, menhaden, crude, tanks, fut., Balto..gal. .30 Nom.
ref'd alkali, dms.....lb. .1080- —
kettle-boiled, dms.....lb. .1180- —
light-pressed, dms.....lb. .0980- —
tanks .....lb. .0880- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, bots., cns..lb. 1.50 - 1.60
dist., natural, bots.....lb. 9.50 -10.00
Neatsfoot, 20° cold test, bbls., lb. .16½- —
extra, bbls.....lb. .11¼- —
1, bbls.....lb. .11 - —
prime, bbls.....lb. .11½- —
pure, bbls.....lb. .12¼- —
sulphonated, common, 25% moisture, dms..lb. .10½- —
Neroli, bots.....lb.200.00 -325.00
Nutmeg, dist., cns., dms....lb. 2.25 - 2.40
Oleo, 1, bbls.....lb. .11 - —
2, bbls.....lb. .10¾- —
Oiticica, dms.....lb. .17½- .18
Olibanum, bots.....lb. 5.00 - 5.25
Olive, denat., dms.....gal. 3.30 Nom.
edible, Calif., dms.....gal. 4.20 - 4.25
imported, dms.....gal. 4.60 Nom.
foots, dms.....lb. .13¾- —
sulphonated, 50% (40% fat), dms., c.l..lb. .09½- —
l.c.l. .....lb. .10½- —
75% (63% fat), dms., c.l..lb. .12½- —
l.c.l. .....lb. .13½- —
80% (68% fat), dms., c.l..lb. .127 - —
l.c.l. .....lb. .137 - —
Orange, sweet, dist., cs.....lb. 1.15 - —
expressed, Calif., cns.....lb. 2.75 - —
Florida, cns.....lb. 1.50 - 1.60
Messina, USP, coppers...lb. 8.00 Nom.
West Indies, cns.....lb. No stocks
terpeneless .....lb.42.00 -50.00
Oil, origanum, cs.....lb. 1.50 - 1.55
Palm, Niger, dms.....lb. .05¾ Nom.
softs, 12½%, bulk, shipt..lb. .05¼ Nom.
Sumatra, shipt., bulk.....lb. .05¼ Nom.
Palmarosa, cns.....lb. 3.00 - 3.25
Paraffin, 320° flash, 60-70 vis., tanks, G. S..gal. .05¼- —
350° flash, 70-80 vis., tanks, G. S..gal. .05½- —
80-85 vis., bbls., extra, Ind. refy..gal. .12 - —
350° flash, 100-105 vis., bbls., extra, Ind. refy..gal. .14 - —
300° flash, 100-110 vis., tanks, G. S..gal. .05¾- —
Patchouli, bots., cns.....lb. 4.75 - 5.00
Peanut, crude, nom., tanks..lb. .03¾ nom.
refd., edible, bbls.....lb. .11¼ Nom.
Pennyroyal, dom., cns.....lb. 3.00 Nom.
import, cns.....lb. 2.25 - 2.50
Peppermint, natural, cns., dms. lb. 3.40 - 3.65
redist., USP, cns., dms.....lb. 3.65 - 3.90
Perilla, dms.....lb. .18 - .18½
tanks .....lb. .17 - —
Petitgrain, Paraguay, cns...lb. 1.60 - 1.65
dms. .....lb. 1.55 - 1.60
Pimento berry, cns.....lb. 4.65 - 5.00
leaf, cns.....lb. 2.25 - 2.50
Pine, dest.-dist., straw-color, dms., divd., E. ports..gal. .50 - .55
steam-dist., dms.....gal. .59 - —
tanks .....gal. .54 - —
Pineneedle, Siberian, cns....lb. 1.30 - 1.35
Putty, bbls., E. Segundo, Richmond, Cal..gal. .32½- —
contracts .....gal. .19½- —
Whiting, Ind.....gal. .28 - —
dms., c.l., Boston, Providence, gal. .32 - —
l.c.l., same basis.....gal. .37 - —
tanks, same basis.....gal. .16 - —
Martinez, Cal.....gal. .32 - —
Oil, rapeseed, tax incl., dms..lb. .12 - .12¼
tax not incl., tanks.....lb. .06¾- —
blown, dms.....lb. .17½- —
Red, dist., or saponif., dms., divd..lb. .10½- .11½
tanks, divd.....lb. .09¾- —
Rose, synth., bots.....oz. 1.25 - 2.00
natural, coppers.....oz.11.00 -20.00
Rosemary, Spanish, cns.....lb. .83 - .83
dms .....lb. .80 - .85
Rosin, 1st rectified, dms....gal. .40 - —
2d rectfd., dms.....gal. .42 - —
3d rectfd., dms.....gal. .46 - —
Rue, bots.....lb. 6.25 - 6.50
Sage, cns.....lb. No stocks
Sandalwood, E.I., USP, cns..lb. 4.90 - 5.25
Mysore, cns., case lots.....lb. 5.50 - 5.75
Sardine, crude, fut., tanks, Pac. Cst..gal. .53 Nom.
refd., alkali, dms.....lb. .1060- —
kettle-bodied, dms.....lb. .1180- —
light-pressed, dms.....lb. .0980- —
tanks .....lb. .0880- —
Sassafras, artif., cns.....lb. .75 - —
dms. .....lb. .72 - —
natural, cns., dms.....lb. 1.00 - 1.25
Savin, cns.....lb. No stocks
Savory, cns.....lb. 3.75 Nom.
Shark liver, crude, dms..... million vitamin units. .10 - —
Sesame, crude, coast, tanks..lb. .09½ Nom.
shingle stains, bbls., c.l., works, gal. .19 - —
l.c.l., works.....gal. .20 - —
tanks, works.....gal. .14 - —
Snakeroot, Canada, cns.....lb. 9.50 -10.50
Soybean, dom., crude, dms...lb. .09½- .09¾
tanks .....lb. .08¾ Nom.
refd., dms.....lb. .10 - .10¾
tanks .....lb. .09½- .09¾
Spearmint, dms.....lb. 2.50 - 2.60
Sperm, bleach, 38°, dms.....lb. .1170- —
45°, dms.....lb. .1100- —
natural, dms.....lb. .1050- —
Spruce, cns., dms.....lb. .85 - .85
Sweet, birch, North, cns.....lb. 2.75 - 2.50
South, cns.....lb. 1.50 - 1.85
Tall, crude, dms., c.l., works, ton.40.00 - —
l.c.l., works.....ton.45.00 -50.00
tanks, works.....ton.30.00 - —
distilled, dms., c.l., divd..lb. .05½- .07
l.c.l., divd.....lb. .06½- .06¼
tanks divd.....lb. .05 - .06¾
refined, dms., c.l., works...lb. .04 - —
l.c.l., works.....lb. .04½- —
tanks, works.....lb. .03¾- —
Tallow, acidless, bbls.....lb. .10¾- —
tanks .....lb. .10¼- —
Tansy, cns.....lb. 4.50 - 4.75
Tar, pine, com'l, dms., c.l., divd. E. cities..gal. .26 - —
E. ports, c.l.....gal. .23 - —
l.c.l. .....gal. .27 - —
tanks, divd. E. cities....gal. .20 - —
rectfd., USP, bbls., l.c.l., divd. E. ports..gal. .55 - —
Tar acid (see T).
Teaseed, crude, dms.....lb. .18½ Nom.
refined, dms.....lb. .22 Nom.
Tea tree (see Oil, Ti tree).
Thyme, NF, red, cns.....lb. 1.55 - 2.50
white, cns.....lb. 1.65 - 2.75
Tung (see Oil, Chinawood).
Ti tree, cns.....lb. 2.60 - 2.80
Turkey red (see castor, sulphonated.
Turpentine (see T).
Turtle, cns.....gal. 8.50 - —
Vetiver, bots.....lb. 6.00 -10.00
Whale, ref., natural, dms...lb. .0950- —
winter, bleach, dms.....lb. .0990- —
Wheat germ, cns., dms.....gal.17.50 -25.00
White, mineral, dom., tech., 50-60 vis., dms..gal. .30 - .37
65-75 vis., dms.....gal. .32 - .39
80-90 vis., dms.....gal. .33 - .40
USP, 95-105 vis., dms..gal. .39½- .46½
125-135 vis., dms.....gal. .45 - .53
140-150 vis., dms.....gal. .47 - .55
175-185 vis., dms.....gal. .50½- .58½
200-210 vis., dms.....gal. .53½- .61¾
320-330 vis., dms.....gal. .60 - .68
335-345 vis., dms.....gal. .61 - .69
Russian, 80-90 vis., dms....gal. No prices
145-155 vis., dms.....gal. No prices
175-185 vis., dms.....gal. No prices
335-345 vis., dms.....gal. No prices
Wintergreen, natural, North, cns..lb. 4.75 - 6.00
South, cns.....lb. 3.50 - 3.85
synth (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns.....lb. 2.50 - 2.60
Wormwood, cns.....lb. 4.50 - 4.75
Ylang-ylang, Bourb., bots., cns., lb.12.50 Nom.
Manila, bots.....lb.40.00 -41.00
Olivine, aggregate, c.l., mines, ton. 7.00 -11.00
Lumps, same basis.....ton. 7.00 - —
Spalls, same basis.....ton. 5.00 - —
crushed, 6 mesh, bulk, c.l., works..ton. 8.00 - —
paper bags, c.l., works..ton. 9.50 - —
ground, 325 mesh c.l., mines, ton.20.00 - —
200 mesh, c.l., mines....ton.17.00 - —
100 mesh, c.l., mines....ton.15.00 - —
20 mesh to dust.....ton.12.00 - —
Opium, gum, USP, 50-lb. lots, cns..lb.11.50 - —
25-lb. lots, cns.....lb.11.75 - —
5-lb. lots, cns.....lb.12.00 - —
1-lb. lots cns.....lb.12.15 - —
Prices on powd. and gran. USP opium are $1 per pound higher.
Orange, Lake, Persian, bbls...lb. .30 - .45
Mineral, Amer., bbls., 5 tons, divd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .11½- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .11¼- —
Colo., Mont., N. M., Wyo..lb. .11¾- —
Other points.....lb. .11¼- —
smaller lots, divd., Ala., etc..lb. .12 - —
Ariz., etc.....lb. .12½- —
Colo., Mont., N. M., Wyo..lb. .12¼- —
Other points.....lb. .11¾- —
French, Tours, casks, ex dock, lb. No prices
kgs., ex dock.....lb. No prices
Molybdate, bbls.....lb. .31 - —
Toner, bbls.....lb. .80 - —
Orangeflower petals, cs.....lb. .45 - .50
Orange peel, bitter, bls.....lb. .09 - .10
sweet, bls.....lb. .10 - .12
Orris root, Florentine, bgs....lb. .80 Nom.
fingers, cs.....lb. 1.50 Nom.
powd., bbls., bxs.....lb. .85 Nom.
Verona, bls.....lb. .75 Nom.
powd., bgs., cns.....lb. .80 Nom.
Orthoamylphenol, l.c.l., dms., works..lb. .15 - —
Orthoanisidin, bbls.....lb. .70 - —
Orthochloranilin, dms.....lb. .60 - .70
Orthochlorophenol, dms.....lb. .32 - —
Orthocresol, dms., c.l., works..lb. .16 - —
l.c.l., same basis.....lb. .16½- —

DEVELOPING OUR *Domestic Source* OF RAW MATERIALS

IS AN *Important* PHASE OF OUR MANUFACTURING PROGRAM

The products immediately available will be of considerable interest to the perfumer. Here are just a few:

Cyclamal An Aldehyde of great strength, valuable in most floral compositions. For the finest perfumes as well as in soaps and cosmetics. Particularly valuable in odors of the type of Lily of the Valley and Lilac.

Citronal A fresh clean lemon odor of interest today because of the shortage of Oil of Bergamot and Oil of Lemon. Very stable and free from the objectionable by-odors found in Citral. Produces a lasting lemon odor in soaps and creams. Also of great interest in the manufacture of fine Eau de Colognes.

Floranol A single chemical with a fruity rose note. Mild, very persistent, harmonizes the other ingredients in a perfect composition. Soap fast. Often used in Tea Rose type soap odors. Will not discolor in creams or soaps.

Phenyl Acet Aldehyde Di Methyl Acetal Enjoying great popularity. Fine rose leaf note makes it very interesting in many floral compositions. Very lasting in soaps. Gives a pleasing lift to any odor.

Phenyl Ethyl Alcohol Extra Fine A special high grade for use in fine perfumes and cosmetics.

Ionone Complete and Ionone Methyl The basis of Violet odors.

Indol

Para Cresol Methyl Ether In Oil Ylang Ylang Artificial.

Para Cresol Ethyl Ether In Oil Ylang Ylang Artificial.

Ethyl Phenyl Glycidate A Pineapple Base.

Ethyl Phenyl Methyl Glycidate A Strawberry Base.

Hydratropic Aldehyde A Hyacinth aroma.

Di Methyl Acetal of Hydratropic Aldehyde Softer and more delicate than Hydratropic Aldehyde.

Product GL-4C A non-toxic wetting agent and detergent with excellent foaming qualities for liquid dentifrices, soapless shampoos, brushless shaving creams, etc.

The above products together with our already extensive list of American made aromatics enable the perfumer to create perfumes for soaps and cosmetics secure in the knowledge that his supply of raw materials will not be interrupted and that he can maintain a high standard for his finished product.

Aromatics Division

GENERAL DRUG COMPANY

644 PACIFIC ST., BROOKLYN, N. Y.
TRANSPORTATION BLDG., LOS ANGELES, CAL.
9 S. CLINTON ST., CHICAGO
1019 ELLIOTT ST., W., WINDSOR, ONT.

OIL, PAINT AND DRUG REPORTER — May 5, 1941

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Prepared Monthly by U. S. Industrial Chemicals, Inc.

U.S.I. CHEMICAL NEWS

May ★ A Monthly Series for Chemists and Executives of the Solvents and Chemical Consuming Industries ★ 1941

Reactions of Ethyl Formate Allow Many Organic Syntheses

U.S.I. Product Also Extensively Used as Larvacide and Fumigant

Interesting possibilities for many types of organic syntheses are offered by ethyl formate, a very reactive ester produced by U.S.I. For example, ethyl formate condenses with various other esters in the presence of sodium ethoxide (sodium ethylate) in the following typical reactions:

1. With ethyl succinate to give ethyl formylsuccinate.

2. With ethyl beta-ethoxypropionate to give ethyl alpha-formyl-beta-ethoxypropionate, an intermediate in the synthesis of Vitamin B_1 (Thiamin).

Ethyl formate is an excellent fumigant for treating tobacco and food products.

3. With ethyl acetate in the presence of metallic sodium in benzene to give the sodium compound of ethyl formylacetate, which in turn may be converted to ethyl alpha-formyl-glutaconate (ethyl coumalate) and ethyl 1, 3, 5-benzene tricarboxylate (ethyl trimesate).

Similarly, ethyl formate may be condensed with ketones in the presence of sodium ethoxide to give hydroxymethylene ketones (also

(*Continued on next page*)

Improves Waterproofing Of Textiles with Butanol

DOVER, Del.—That improved results in the familiar process of waterproofing textiles by aluminum acetate can be obtained through the use of butanol (normal butyl alcohol) is claimed in a patent assigned to a manufacturer in this city.

When added to an aqueous solution of the aluminum salt, the butanol is said to lower the surface tension of the solution, allowing it to penetrate the textile more effectively.

A typical procedure is described as consisting of adding 8% butanol to a 3% solution of aluminum acetate in water.

Suggests Acetone-Ether Mixture to Dry Glassware

SEATTLE, Wash.—A mixture of acetone and ether is more satisfactory than acetone alone for drying glassware, it has been reported here.

A mixture of equal parts is said to have considerably higher vapor pressure than acetone, thus promoting rapid evaporation.

U.S.I. Adopts Revised System Of Nomenclature for Products

Changes Made in the Names of Many Solvents and Chemicals In Order to Promote Interests of Simplicity and Uniformity

As a step to bring about a simpler, more uniform method of designating organic compounds, U.S.I. has revised the names of its products to conform with the "Definitive Report of the International Committee on Organic Nomenclature." This system has been adopted by the American Chemical Society, and is followed by Chemical Abstracts and many other publications in the chemical field.

Because of the rapid growth of the science of organic chemistry, the question of nomenclature has presented a definite problem. It is estimated that over 300,000 organic compounds have been prepared, and the number is constantly increasing. All of these compounds are more or less related, and the task of naming them is a difficult one.

A complete list of the U.S.I. products for which new designations have been adopted will be found in the continuation of this article on page 2 of this issue of U.S.I. CHEMICAL NEWS.

In the early part of the last century, the names of organic compounds were usually based on their origin, applications, or properties. As the existence of relationships between compounds was discovered, related substances received the same endings: as, aniline and quinoline; acetic, oleic, and benzoic acids.

As organic chemistry developed, the systems of nomenclature increased in number and were adapted to meet the needs of the science. With the present large number of compounds, the need of a uniform method of accurate naming is obvious. Two general systems are in use today.

Substituent System

The first of these is the radical system, the second the substituent system. In the substituent system, the atoms or groups which are considered as replacing hydrogens in the fundamental portion of a formula are written in front of the name of the fundamental portion. Thus, the compound designated as methyl chloride in the radical system is named chloromethane in the substituent system.

(*Continued on next page*)

Rubber-Like Synthetics Resist Solvent Action

NEW YORK, N. Y.—How synthetic substances that resemble rubber in softness and flexibility, but are insoluble in solvents, can be prepared from derivatives of polyacrylic acid is revealed in a patent assigned to a manufacturer here.

A novel feature of the process, according to the patent, is that the product is insoluble even in the solvents used to dissolve the polyacrylic acid derivative as the first step in the process.

Essentially, the method is described as dissolving a compound such as polyacrylic acid methyl ester in ethyl acetate and adding a finely divided metal or metallic compound. In other cases acetone may be used as the solvent. The resulting product, it is claimed, may be easily formed into tubes, bands, or filaments. The process is also said to be adaptable to coating fabrics.

Fast-Drying Sympathetic Ink Made with Ethanol

WILMINGTON, Del.—A fast-drying ink of the sympathetic type can be formulated with the aid of ethanol (ethyl alcohol) and natural gums, synthetic resins, or ethyl cellulose, according to a patent granted to an inventor here.

The ink, it is said, can be printed from a rubber roll. It is normally invisible, but becomes visible when the materials are wetted. In one suggested formula, one part of Manila gum is dissolved in 25 parts of ethanol. In another instance, one part of ethyl cellulose is dissolved by heating in 50 parts of ethanol.

Glass textiles are constantly growing in popularity because of their chemical inertness, high strength, and resistance to actinic rays, fire, and attack by fungi. A recent patent reveals that woven glass fabrics can now be coated with compositions based on cellulose derivatives. A typical formulation is said to consist of cellulose nitrate, butyl phthalate (dibutyl phthalate), pigment, ethyl acetate, and ethanol. It is said that the coating may be applied by any of the common methods for coating fabrics, such as doctor knife or roller coating. Variations in translucency can be obtained by regulating the index of refraction of the coating.

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May ★ **U.S.I. CHEMICAL NEWS** ★ 1941

U.S.I. Makes Changes in Product Nomenclature

(Continued from previous page)

The radical system becomes very cumbersome when the size of the formulas increases beyond those of the simplest compounds. For this reason the substituent system. as laid down by the International Committee and adopted by the A. C. S., offers the most satisfactory means of using the best name.

Application to U.S.I. Products

As a result of U.S.I.'s adoption of this system, revised names will be employed for many U.S.I. products. The new names will be employed on labels and in U.S.I. CHEMICAL NEWS and U.S.I. ALCOHOL NEWS, as well as other company advertising and literature. Where an older name has been in common use, it will be added in parentheses.

The following exemplify the changes:

Old Name	New Name
Ethyl Alcohol	Ethanol
Isopropyl Alcohol	Isopropanol
Normal Butyl Alcohol	Butanol

The name *isopropanol* may be regarded as an extension of the Geneva system, formed by analogy with the names of other alcohols. Because of its widespread use, the name "Ethyl Alcohol" will still be employed in many cases.

Old Name	New Name
Diamyl Phthalate	Amyl Phthalate
Diethyl Carbonate	Ethyl Carbonate
Diethyl Maleate	Ethyl Maleate
Diethyl Oxalate	Ethyl Oxalate
Diethyl Phthalate	Ethyl Phthalate
Dibutyl Maleate	Butyl Maleate
Dibutyl Oxalate	Butyl Oxalate
Dibutyl Phthalate	Butyl Phthalate
Dimethyl Maleate	Methyl Maleate
Dimethyl Phthalate	Methyl Phthalate

In all of the compounds listed, the prefix "di" is really superfluous. When a single group is named in connection with the acid, it is assumed that all of the ionizable hydrogens have been replaced by the group. This is in keeping with inorganic nomenclature; for example Na_2SO_4 has always been sodium sulphate, not *di*sodium sulphate. This revised nomenclature introduces no conflict with the names of mixed compounds, such as Ethyl Hydrogen Phthalate or Ethyl Butyl Phthalate.

Other changes in product names are:

Old Name	New Name
Ethyl Chlorocarbonate	Ethyl Chloroformate
Sodium Ethyl Oxalacetate	Ethyl Sodium Oxalacetate
Acetoacet Arylids	Acetoacet-arylides
Urethane	Urethan

By employing familiar designations in parentheses, U.S.I. believes that the transition in nomenclature will be facilitated.

Refine Ester-Type Oils With Imines and Ethanol

THE HAGUE, Netherlands—Success in the refining of oils, fats, and waxes of the ester type is promised by a process patented by an inventor here.

According to the claims of the patent, it has been difficult to remove from ester-type oils the various impurities that frequently result in undesirable odor or color. By employing certain imines in mixture with ethanol, a very high degree of selective separation is said to be obtained.

Uses of Ethyl Formate

(Continued from previous page)

known as beta-ketoaldehydes). For example, reaction with acetone gives the sodium compound of hydroxymethylene-acetone. From this may be obtained by acidifying, triacetylbenzene; by reacting with hydrazine, 3-methylpyrazole; and by reacting with hydroxylamine, methylisoxazoles.

Miscellaneous Reactions

Among the miscellaneous reactions of ethyl formate are:

1. With anhydrous ammonia in ethanol to give formamide.
2. With ethylmercaptan and hydrochloric acid to give ethyl ortho-thioformate.
3. With hydrazine to give formylhydrazine (from which may be obtained triazole) and diformylhydrazine.

For Treating Tobacco and Fruit

In addition to its use in synthesis, ethyl formate has been found by experience to be an excellent larvacide and fumigant for treating tobacco, dried fruits, cereals, and other products which may be subject to infestation. Because it evaporates completely, leaving no residual odor, it is suitable for use on the packing line for fumigating individual packages. It has been used in pharmacy, internally for diarrhea, externally as a rubefacient, and as an inhalant in respiratory affections.

U.S.I. will gladly give additional information on ethyl formate.

Formula for Leather Varnish

A varnish described as suitable for use on leather is prepared by dissolving 20 parts of shellac in 80 parts of ethanol and adding:

	Parts
Castile soap	25
Ethanol	320
Glycerine	40

TECHNICAL DEVELOPMENTS

Further information on these items may be obtained by writing to U.S.I.

A new wetting agent is described as non-ionic and therefore compatible with almost any type of material. It is said that a 3% concentration in water reduces surface tension from 72 to 30 dynes and that the material is miscible with alcohol. **(No. 450)**

U S I

A finish remover can be used without injury to the surfaces of wood, metal, fabric, or leather, the maker claims. It is said that the material leaves no wax deposit, and that paint, lacquer, enamel, or shellac can be applied immediately after removal of old coatings. **(No. 451)**

U S I

A new material for treating vulcanized rubber molded goods is said to destroy tack and increase polish. According to the maker, material is suitable for use on neoprene goods also. **(No. 452)**

U S I

Individual watermarking of paper of any quality or grade is reported to be made possible by a new process. Manufacturer of the watermarked paper says that it is suitable for business stationery, documents, and other paper products. **(No. 453)**

U S I

A new resin is said to be especially designed for use in tung oil substitution formulations. It is said to confer superior bodying to the vehicle and to increase drying speed and film hardness. **(No. 454)**

U S I

A molding compound is said to be suitable for the production of molded parts requiring high impact resistance and minimum frictional resistance. Material is said to have a particle size comparable to dry rice. **(No. 455)**

U S I

Corrosion protection is said to be afforded by new products utilizing polar molecules to prevent electrolytic action. It is claimed that the new compounds produce thin, adherent films that protect the metal, and can be washed off with solvents if desired. **(No. 456)**

U S I

A fractionating pump is said to be constructed entirely of metal for service where a particularly rugged unit is needed. It is reported that the pump is adapted to most vacuum systems. **(No. 457)**

U S I

A soldering flux is said to facilitate the application of silver soldering to a wide range of metals, including carbon steel, stainless steel, nickel, copper, brass, and bronze. Material is in paste form for application by brush, it is reported. **(No. 458)**

U S I

A marking ink for steel can be applied in the form of identification markings, trade-marks, or decorative designs, it is reported. Maker claims that the imprint is permanent and non-corrosive, and that ink can be applied to stainless, high speed, and low carbon steels. **(No. 459)**

U.S.I INDUSTRIAL CHEMICALS, INC.

60 EAST 42ND ST., N. Y. USI SERVICE TO INDUSTRY BRANCHES IN ALL PRINCIPAL CITIES

A SUBSIDIARY OF U. S. INDUSTRIAL ALCOHOL CO.

ALCOHOLS
Amyl Alcohol
Butanol (Normal Butyl Alcohol)
Fusel Oil—Refined
Methanol

Ethanol (Ethyl Alcohol)
Specially Denatured—All regular and anhydrous formulas
Completely Denatured—all regular and anhydrous formulas
Pure—190 proof, C.P. 96%, Absolute
U.S.I. Denatured Alcohol
Anti-freeze
*Super Pyro Anti-freeze
*Solox Proprietary Solvent
*Solox D-I De-icing Fluid

***ANSOLS**
Ansol M
Ansol PR

ACETIC ESTERS
Amyl Acetate
Butyl Acetate
Ethyl Acetate

OXALIC ESTERS
Butyl Oxalate
Ethyl Oxalate

PHTHALIC ESTERS
Amyl Phthalate
Butyl Phthalate
Ethyl Phthalate
*Registered Trade Mark

PROPIONIC ESTERS
Amyl Propionate
Butyl Propionate

OTHER ESTERS
*Diatol
Ethyl Carbonate
Ethyl Chloroformate
Ethyl Formate
Ethyl Lactate

INTERMEDIATES
Acetoacetanilide
Acetoacet-ortho-anisidide
Acetoacet-ortho-chloranilide
Acetoacet-ortho-toluidide
Acetoacet-para-chloranilide
Ethyl Acetoacetate
Ethyl Benzoylacetate
Ethyl Sodium Oxalacetate

ETHERS
Ethyl Ether
Ethyl Ether Absolute—A.C.S.

OTHER PRODUCTS
Acetone
*BK-5
Collodions
*Curbay B-G
*Curbay Binders
*Curbay X (Powder)
Derex
Ethylene
Ethylene Glycol
*Indalone
Methyl Acetone
Nitrocellulose Solutions
Potash, Agricultural
Urethan
*Vacatone

Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies..lb. .06 - —
l.c.l., same basis..... lb. .07 - —
100-lb. tins, same basis..lb. .08 - —
50-lb. tins, same basis..lb. .09 - —
tanks, same basis.....lb. .05½- —
Orthodichlorobenzene prices west of Rockies, 1c. per lb. higher.
Orthonitroaniln, dms.....lb. .55 - —
Orthonitrochlorobenzene, dms..lb. .15 - .18
Orthonitroparachlorophenol,cns.lb. .75 - —
Orthonitrotoluene, dms.....lb. .09 - —
Orthophenetidin, dms.....lb. .80 - —
Orthotoluidin, dms.....lb. .19 - —
Osage orange extract, cryst., bbls. lb. .21 - —
liquid, 42°, bbls.....lb. .09 - —
51°, bbls.....lb. .10 - —
Oxyquinolin sulphate, cns., 100-lbs., works..lb. 3.50 - —
bots., cns., 1-50 lbs.....lb. 3.75 - 4.15

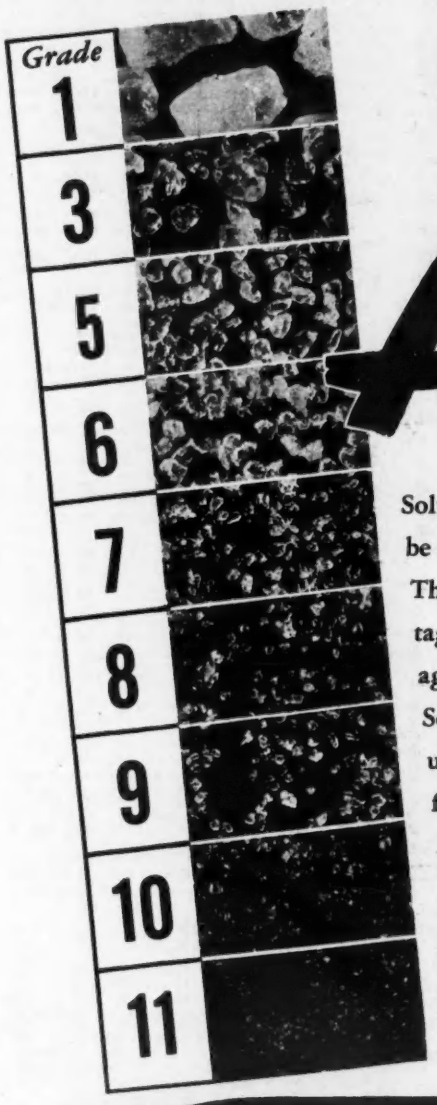
P

Papain, powd., cs.....lb. 1.40 - 1.45
Paprika, Algerian, bgs.....lb. .34 - .35
Bulgarian, bgs.....lb. .27½- .28
Portuguese, fancy, bgs.....lb. .36 - .37
good, bgs.....lb. .34 - .36
Spanish, extra fancy, cs.....lb. .41 - .42
medium, cs.....lb. .40 - .41
Parachlorophenol, dms.....lb. .82 - —
Paracymene, refd., dms.....gal. .75 - 1.25
Paradichlorobenzene, dms, c.l..lb. .11 - .12
l.c.l. .....lb. .12½- .13½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla. refy..lb. .0335 Nom.
bbls., c.l., N.Y.....lb. .0335 Nom.
124-126 A.m.p., bgs.. c.l., Okla. refy..lb. .0335 Nom.
bbls., c.l., N.Y.....lb. .0335 Nom.
yellow, 124-126 A.m.p., bbls., c.l., N.Y..lb. .0335 Nom.
fully refd., bgs., 123-125 A.m.p., bgs., c.l..lb. .0570- —
128-130 A.m.p., bgs. or loose, c.l..lb. .0570- —
131-133 A.m.p., bgs. or loose, c.l..lb. .0595- —
133-135 A.m.p., bgs. or loose, c.l..lb. .0625- —
135-137 A.m.p., bgs. or loose, c.l..lb. .0650- —
138-140 A.m.p., bgs. or loose, c.l..lb. .0725- —
143-145 A.m.p., bgs. or loose, c.l..lb. .0820- —
151-153 A.m.p., bgs. or loose, c.l..lb. .15 Nom.
Refined paraffin prices in cases are ½c. lb. higher than bags price; solid in tankcars is 5c. lower.
match, A.m.p., up to and incl. 110-112 bbls., c.l..lb. .03½- —
Semi-refd., solid, 122-124 A.m.p., bgs..lb. .03 - —
Paraformaldehyde, dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia, or N.Y.C...lb. .23 - —
100 to 900 lbs. shipments, same basis..lb. .24 - —
Paraldehyde, tech., 98%, 55 and 110-gal. dms., c.l., works..lb. .10 - —
l.c.l., works.....lb. .11½- —
5 and 10-gal. dms., works..lb. .15 - —
USP, cs., cbys.....lb. .37 - .45
Paranitrophenol, kgs.....lb. .35 - —
Paranisidine, dms.....lb. .75 - —
Paranitroaniiln, kgs., works...lb. .45 - —
Paranitrochlorobenzene, kgs...lb. .15 - —
Paranitrotoluene, kgs.....lb. .30 - —
Paraphenylenediamine, bbls....lb. 1.25 - 1.30
Paratoluenesulphonamide, bbls.lb. .70 - —
Paratoluidin, bbls.....lb. .48 - —
Pareira brava root, bls.....lb. .20 - .21
Paris green, dealer, dms., bbls., c.l., f.o.b. works, frt. alld.lb. .23 - .25
l.c.l., same basis.....lb. .24 - .26
Passion flower, herb, bls.....lb. .06 - .07
Patchouli leaves, bls.....lb. .28 - .30
Pellitory root, bls.....lb. .30 - .32
Pennyroyal leaves, bls.....lb. .15 - .16
Pentachlorophenol, dms., works, lb. .20 - .25
Pentaerythritol, C.P., bbls., dlvd., lb. .75 - —
less than barrel lot.....lb. 1.00 - —
tech., bbls., dlvd.....lb. .33½- .35½
less than barrel lots.....lb. .40 - —
Pentaerythritol tetra acetate, bbls., dlvd..lb. 1.00 - —
less than barrel lot.....lb. 1.50 - —
Pentane, norm., 28-38°, dms., c.l., G.3..gal. .11½- —
l.c.l., G.3.....gal. .16 - —
tanks, G.3.....gal. .07 - .08½
laboratory grade, dms., c.l., G.3, gal. .14 - —
l.c.l., G.3.....gal. .25 - —
Pepper, black, Alleppy, bags..lb. .08 Nom.
Lampong, bags.....lb. .06¾- .07
Tellicherry, bags.....lb. .08 Nom.
white, Java, Muntok, bags..lb. .12¼- .12½
Muntok, small berry, bags.lb. .11¾- .12¼
red, chillies, Japan, Hontaka..lb. .20½- .21
Mombassa, bgs.....lb. .26 - .26½
Peppermint leaves, dom., bls..lb. .75 - .80
import, bls.....lb. 1.10 Nom.
Perchlorethylene, dms., c.l., works, frt. alld., zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..bl. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
All prices on perchlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru, balsam, dms.....lb. .75 - .80
Petrolatum, amber, dms.....lb. .03¼- —
l.c.l. .....lb. .04¼- —
amber, extra, dms.....lb. .04 - —
l.c.l. .....lb. .04½- —
white, cream, dms., c.l.....lb. .04½- —
l.c.l. .....lb. .06 - —
lily, dms., c.l.....lb. .05¼- —
l.c.l. .....lb. .06¾- —
snow, dms., c.l.....lb. .06 - —
l.c.l. .....lb. .08 - —
Petroleum, crude, bulk, at wells:—
California .....bbl. .43 - 1.71
Canada .....bbl. 1.08 - 1.70
Petroleum, crude, bulk at wells, Central West:—
Illinois .....bbl. 1.27 - —
Ohio .....bbl. 1.05 - 1.10
Michigan .....bbl. 1.07 - 1.28
Indiana .....bbl. 1.10 - —
East Texas.....bbl. 1.15 - —
Gulf Coast.....bbl. .96 - 1.38
Kentucky, Tennessee.....bbl. 1.12 - 1.20
Louisiana, Arkansas.....bbl. .58 - 1.26
Mexico .....bbl. No prices
Midcontinent (Oklahoma, Kansas, North Texas).....bbl. .65 - 1.15
Pennsylvania, Ohio, West Virginia:—
Bradford, Allegany....bbl. 2.40 - —
Corning .....bbl. 1.17 - —
N. Y. Transit lines....bbl. 2.40 - —
Eureka lines.....bbl. 1.99 - —
S. W. Penn lines....bbl. 2.05 - —
Lower district in National Transit lines..bbl. 2.28 - 2.33
Rocky Mountains.....bbl. .35 - 1.15
South Central and Southwestern Texas..bbl. .95 - 1.20
Texas Panhandle, W. Texas and N. Mexico.....bbl. .60 - 1.02
Ether,normal, tanks, G.3...gal. .09¾- —
dms., c.l., dlvd.....gal. .24 - —
l.c.l., 5 or more, dlvd...gal. .29 - —
1-5, dlvd.....gal. .38 - —
laboratory grade, dms., c.l., G.3..gal. .14½- —
l.c.l., G.3.....gal. .25½- —
10-gal. lots, G-3.....gal. .50½- —
Lacquer, diluent, at refinery:—
California, 100 l.b.h., 200 e.p., tanks, dlvd., Los Angeles..gal. .11 - —
San Francisco..gal. .11¼- —
Petroleum, lacquer diluent, at refinery, Willbridge, Ore., Fort Welles, Wash..gal. .12 - —
East Coast, tanks.....gal. .10 - —
Group 3, toluol type, tanks, gal. .06¾- .07¾
Benzol type, tanks..gal. .07¾- .08¾
Mineral spirits, at refinery:—
California (f.o.b. San Francisco), 166-252 b.r., tanks, gal. .10½- —
198-290 b.r., tanks...gal. .10½- —
246-397 b.r., tanks...gal. .10½- —
313-408 b.r., tanks...gal. .09 - —
352-459 b.r., tanks...gal. .09 - —
East Coast, 43-47, tanks.gal. .08¼- —
Group 3, tanks.....gal. .05¾- —
tankwagon, tax included:—
Albany .....gal. .13½- —
Baltimore (100 gals.)..gal. .14 - —
25-99 gals.....gal. .16 - —
Boston .....gal. .13½- —
Bound Brook, North Amboy, N. J..gal. .13½- —
Bridgeport, Conn.....gal. .11½- —
Buffalo .....gal. .15½- —
Camden, N. J.....gal. .10 - .11½
Chicago .....gal. .1670- —
Decatur .....gal. .1810- —
Des Moines.....gal. .1790- —
Evansville, Ind.....gal. .1420- .1520
Milwaukee .....gal. .1980- —
Minneapolis-St. Paul..gal. .19½- —
Newark .....gal. .09½- —
New York (200 gal)...gal. .09 - —
Omaha .....gal. .12½- —
Pittsburgh .....gal. .11½- .13½
Providence .....gal. .12 - —
Rochester .....gal. .12½- —

Orthodichlorben.—Pet.

Petroleum, mineral spirits, Group 3, tankwagon:
St. Louis.....gal. .1470- —
Syracuse .....gal. .10½- —
Trenton .....gal. .10½- —
Wilmington, Del.....gal. .12½- —
Naphtha, cleaners', at refinery:—
California (f.o.b. San Francisco), tanks..gal. .12 - —
East Coast, tanks.....gal. .09½- —
Group 3, tanks.....gal. .06¾- —
Gulf Coast (f.o.b. New Orleans), tanks....gal. .06¾- —
tankwagon, Boston, ex tax, gal. .13½- —
Bridgeport .....gal. .13½- —
Chicago, inc. 4c. tax...gal. .18 - —
Decatur, inc. 4c. tax...gal. .1910- —
Des Moines, inc. 4c. tax, gal. .1890- —
Evansville, inc. ex tax.gal. .15 - .16
Milwaukee, inc. 5c. tax.gal. .2030- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20½- —
Newark, ex tax.....gal. .10½- —
New York, ex tax.....gal. .10 - —
Omaha, ex tax.....gal. .1490- .1590
Oklahoma City, ex tax.gal. .16½- —
Philadelphia, ex tax...gal. .12 - —
St. Louis, inc. 1c. tax.gal. .15½- —
Syracuse, 150 gals.....gal. .14½- —
smaller lots, galv. drums, gal. .10 - —



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Company.....

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State..... AG-54

City.....

Petroleum, Naphtha—Salt

Petroleum, high-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway..gal. .21 - —
2, over 50% arom., same basis..gal. .21 - —
3, same basis.....gal. .22 - —
6, tanks, f.o.b. Paulsboro, N. J..gal. .16½- —
30, same basis.....gal. .17½- —
40, same basis.....gal. .17¾- —
V. M. & P., at refinery:—
California, 46.5, 254 l.b.p., 380 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond .....gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
54-57, 190 l.b.p., 310 e.p., tanks, dlvd. Los Angeles, gal. .10 - —
San Francisco....gal. .10½- —
Portland, Seattle.gal. .11 - —
East Coast, tanks.....gal. .09½- —
Group 3, tanks.....gal. .06¾- —
Gulf Coast (dlvd. New Orleans), tanks....gal. .06½- —
tankwagon, Boston, ex tax, gal. .14½- —
Chicago, inc. 4c. tax..gal. .17 - —
Des Moines, inc. 4c. tax.gal. .1850- —
Decatur, inc. 4c. tax...gal. .1910- —
Evansville, Ind., ex tax, gal. .1520-.1620
Milwaukee, inc. 5c. tax.gal. .2030- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20 - —
Newark, ex tax.....gal. .11½- —
New York, ex tax.....gal. .10 - —
Omaha, ex tax.....gal. .1490-.1590
Philadelphia, ex tax...gal. .13 - —
St. Louis inc. 1c. tax..gal. .1570- —
Solvent, rubber, at refinery, California (f.o.b. San Francisco), bbls..gal. .24 - —
East Coast, tanks.....gal. .09½- —
Group 3, tanks.....gal. .08¾- —
Stoddard (CS 8-33), at refinery:—
California (f.o.b. San Francisco), tanks..gal. .11 - —
East Coast, tanks.....gal. .08½- —
Group 3, tanks.....gal. .06¼- —
Tankwagon, Boston, ex tax, gal. .14 - —
Chicago, inc. 4c. tax..gal. .1640- —
Decatur, inc. 4c. tax..gal. .1860- —
Des Moines, inc. 4c. tax. gal. .1840- —
Evansville, Ind., ex tax. gal. .14 - .15
Milwaukee, inc. 5c. tax.gal. .1980- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .1820- —
Newark, ex tax.....gal. .09½- —
New Orleans, ex tax..gal. .11 - —
New York, ex tax.....gal. .09 - —
Omaha .....gal. .1860-.1450
Philadelphia, ex tax...gal. .12 - —
St. Louis, inc. 1c. tax..gal. .1340- —
Tulsa, ex tax.....gal. .10¼- .11¼
Phenobarbital, 5-lb. bots.....lb. 3.95 - —
bots. or cns., 100 lbs., spot or contract..lb. 3.60 - —
25-lb. cns.....lb. 3.85 - —
Phenol, USP, dms., c.l., works, frt. equald..lb. .12 - —
l.c.l., same basis.....lb. .12¾- —
under 1,000 lbs.....lb. .13¾- —
tanks, works.....lb. .11 - —
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots..lb. .85 - —
bbls., dms., kegs., 100-250 lbs., lb. .87 - .89
yellow, fib. dms., 2,000-lb. lots, lb. .80 - —
100-lb. fib. dms.....lb. .82 - —
25-lb. dms.....lb. .87 - —
50-lb. kgs.....lb. .84 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetaldehyde, bots.....lb. 2.10 - 2.50
Dimethylacetate, cns.....lb.14.50 -15.00
Phenyl ethyl acetate, cns.....lb. 2.50 - 2.75
Phenylethylphenyl acetate, bots., lb. 8.00 -15.00
Phenylhydrazine, base, CP, bots. lb. 4.55 - —
hydrochloride, CP, bots, works, lb. 7.10 - —
commercial, kgs. works.....lb. 1.75 - —
Phloroglucinol, CP, tins, wks..lb.20.00 -22.00
tech., tins, works.....lb.15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton. No prices
land pebble, 68% min., bulk, mines..long ton. 1.90 - —
70% min., bulk, mines.... long ton. 2.15 - —
72% min., bulk, mines.... long ton. 2.50 - —
Tenn., 72% bulk, mines..... long ton. 4.50 - —
75% bulk, mines..long ton. 5.50 - —
Phosphorus, red, cs.....lb. .40 - .44
yellow, dms.....lb. .15 - .20
cases .....lb. .23 - .25
Oxychloride, cyls.....lb. .15 - .18
Pentoxide, dms., c.l., works..lb. .11 - .12
l.c.l., dms., works.....lb. .13 - .14
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .16
Phthalamide, bbls., works, tons.lb. .35 - —
single bbls., works.....lb. .40 - —
kgs., works.....lb. .45 - .50
Phthalic anhydride, bbls., c.l., works, frt. alld. E. of Miss. R..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Pichi leaves, bgs.....lb. .10 - .11
Pilocarpine hydrochloride, bots., vis..oz. 4.00 - 4.25
Nitrate, bots., vis.....oz. 3.90 - 4.15
Pimento, Jamaican, bgs.....lb. .33 - .35
Mexican, bgs.....lb. .13½- .14
Pinkroot, bls.....lb. .40 - .41
Pitch, burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works..ton.19.00 - —
l.c.l. .....ton.22.00 - —
Hardwood, 1-time dms., c.l., dlvd. Akron..ton.23.75 -24.00
Linseed, dms.....lb. .06 - .06½
Petroleum (see Asphaltum, Mexican, Texas)
Pine, bbls.....bbl. 6.00 - 6.50
Plaster of Paris (see Gypsum).
Pleurisy root, Southern, bls..lb. .12 - .13
Podophyllin, dms., dlvd. E. of Miss..lb. 4.50 - 4.70
Poke root, bls.....lb. .07 - .07½
Polyamyl naphthalene, l.c.l., dms., works..lb. .30 - —
Pomegranate bark, bgs.....lb. .49 - .50
Root bark, bgs.....lb. .60 - .65
Poppy flowers, red, bls.....lb. .70 - .75
Seed, Dutch, bgs.....lb. .36 - .37
Roumanian, bgs.....lb. .37 - .38
Turkish, bgs.....lb. .32 - .33
Potash abietate.....lb. .08 - —
Acetate, tech., bbls., dlvd....lb. .26 - —
kgs., dlvd.....lb. .28 - —
USP, bbls., 250 lbs.....lb. .28 - —
kgs., 100 lbs.....lb. .30 - —
cns., 25 lbs.....lb. .31 - .44
Arsenite, USP, solut., 100-lb. lots, cbys., demijs..lb. .13 - .15
Potash, bicarbonate, USP, cryst., bbls., 300 lbs..lb. .15 - —
gran., bbls., 250 lbs.....lb. .15 - —
Bichromate, spot, c.l., works.lb. .08¾- 6 casks or 10 bbls., or over, works..lb. .09 - —
5 casks or 9 bbls., or less, works..lb. .09¼- —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - —
kgs., 100 lbs.....lb. .28 - —
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis.....lb. .05¾- —
liquid, dms., c.l., works, frt. alld..lb. .08 - —
l.c.l., dms., same basis.lb. .08½- —
tanks, same basis.....lb. .02¾- —
USP, gran., bbls., 325 lbs...lb. .14 - .16
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., c.l., works..lb. .07 - —
import, dms.....lb. No prices
liquid, 45% basis, dms.....lb. .03½- .03¾
tanks .....lb. .02¾- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06¾
import, dms.....lb. No prices
Chlorate, cryst., kgs.....lb. .11 Nom.
pwd., kgs.....lb. .09¾- .10
Chloride, tech., 98%, cryst., bgs., kgs..lb. .08 Nom.
Chromate, kgs.....lb. .24 - .27
Citrate, USP, gran., 250-lb. bbls., lbs..lb. .33½- —
100-lb. dms.....lb. .34½- —
50-lb. dms.....lb. .35½- —
25-lb. dms.....lb. .37½- —
powd., 3c. per lb. higher.
Cyanide, dom. dms., works..lb. .55 - —
Cyanide, gold, 41% gold, bots., works..oz.14.20 -14.95
Glycerophosphate, 75% sol., dms., 1,000-lb. lots..lb. 1.00 - —
100-lb. lots.....lb. 1.10 - —
50-lb. lots, cbys., or cns., lb. 1.15 - —
25-lb. lots, cns.....lb. 1.25 - —
Guaiacolsulphonate, fib. dms., 100-lb. lots..lb. 1.60 - 1.65
cns., 25 lbs.....lb. 1.75 - —
Hydroxide, USP, sticks cns., 100 lbs. to 1,000 lbs..lb. .82 - .84
Hypophosphite, cns., 100 lbs..lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.46 - —
cns., 25 lbs.....lb. 3.35 - —
Iodide, bots. or cns.....lb. 1.44 - 1.48
dms. .....lb. 1.35 - 1.38
Kainit, 20%, K_2O, bulk, ex vessel, Atlantic or Gulf ports.. ton. No prices
Manure salt, dom., min., 30%, K_2O, bulk, ex vessels, ports. Unit-ton. .60 - —
import, 30%, K_2O, bulk, ex-vessel, Atlantic or Gulf ports..ton. No prices
Domestic manure salt prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex vessel price named above. Prices in bags are $2 per ton higher than bulk prices.
Metabisulphite, kgs.....lb. .21 Nom.
Muriate, dom., min., 50% or 62%, K_2O, bulk, ex-vessel, ports..unit-ton. 53½- —
import, min., 50% or 60% K_2O, bulk, ex-vessel, Atlantic or Gulf port—unit-ton. No prices
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex-vessel price named above. Prices, basis f.o.b. Trona, Cal., are 8c. per unit of K_2O less than the ex-vessel price. Prices in bags are $2 per ton higher than the bulk price.
Oxalate, pure, cryst., kgs....lb. .40 - .42
tech., bbls., dms.....lb. .28 - .30
Nitrate, crude, bgs., c.i.f. ports, ton. No prices
Perchlorate, kgs., works.....lb. .09¼- .11
Permanganate, tech., dms.lb. .19¼- .19¾
U.S.P., dms.....lb. .20 - .20½
Prussiate, red., bbls.....lb. No prices
Yellow, bbls.....lb. .16 - .18
Recinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lumps, bgs.lb. .07 - —
Sulphate, NF, powd., 350 lbs., bbls..lb. .15 Nom.
100-lb. kgs.....lb. .17 - —
Prices on granular 4c. higher.
tech., dom., bgs., basis 90%, K_2SO_4, ex-vessel, ports, ton.36.25 - —
bulk, same basis.....ton.34.25 - —
imp., min., 90%, bgs., ex vessel, Atl. or Gulf ports..ton. No prices
Xanthate, dms., c.l.....lb. .12 - —
Potash-magnesia, sulphate, dom., bgs., 40%, K_2SO_4, ex-vessel, ports..ton.27.00 - —
bulk, same basis.....ton.25.00 - —
Potash-soda ferricyanide, dms., works..lb. .36 - .39
Potash titanium oxalate, 350-lb. bbls..lb. .40 - —
100-lb. dms.....lb. .40 - —
Prickly ash bark, bls.....lb. .12 - .13
Berries, bgs.....lb. .28 - .30
Prince's pine herb, bls.....lb. .22 - .23
Procaine, hydrochloride, 25-lb. cns..lb. 8.00 - —
5-lb. cans.....lb. 8.25 - 8.50
1-lb. bots.....lb. 8.75 - —
Propane, tanks, Group 3.....gal. .03¾- .04
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .85 - .90
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F., and coarser, bbls., 3 or over, works..lb. No prices
less than 3, works....lb. No. prices
F and I, bbls., 3 or over, works..lb. No prices
less than 3, works.....lb. No prices
O, O—½, O—¾, and ½, bbls., 3 or over, works..lb. No prices
less than 3, works.....lb. No prices
Ital.-grd., bgs., c.l., ship., ex dock, N. Y..ton. No prices
l.c.l., 5-29 tons, ex whse.. ton.. No prices
1,000-10,000 lbs., ex whse. ton. No prices
1 to 1,000 lbs., ex whse..ton. No prices
single bgs., ex whse.ton. No prices
Pumpkin seed, bgs.....lb. .10 - .11
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dm.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2 grams pyrethrins per 100 cc., dms., dlvd..gal. 4.75 - 4.95
(30 to 1), 3 grams pyrethins per 100 cc., dms., dlvd..gal. 7.20 - —
Pyrethrum flowers, coarse, grnd. (g.f.p.), 9% pyrethrins, frt. alld., bbls..lb. .23 - .25
fine powd., 9% pyrethrins, frt. alld., bbls..lb. .25 - .26
Pyridin, denaturing, dms....gal. 1.71 - —
refd., 2°, dms.....lb. .48 - —
Pyrites Spanish, bulk, c.i.f. Atl. ports..unit-ton. No prices
Pyrocatechin, CP, cryst., works, fib. dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —
Pyrophylite, standard, 200 mesh, c.l., mines..ton. 9.00 - —
325 mesh, same basis....ton.12.00 - —
No. 3, 200 mesh, c.l., mines.ton. 7.50 - —
325 mesh, same basis....ton.12.00 - —
Pyroxylin scrap amber, cs., works..lb. .12 - —
black, cs., works.....lb. .10 - —
china white, ivory, cs.,works, lb. .12 - —
dense, white, cs., works....lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works....lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works. lb. .16 - —
colors, mixed, cs., works.lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 35% tan, bbls., works..lb. .04¼- —
tanks, works.....lb. .03¾- —
solid, 63%, bgs., c.l., ex dock, plus duty..lb. .04⅞- —
clarified, 64%, bgs., c.l., same basis..lb. .05¼- —
pwd., bgs., c.l.....lb. .07½- —
l.c.l., bgs.....lb. .08½- —
Queen of the meadow leaves, bgs..lb. .07½- .08
Root, bgs.....lb. .10 - .11
Quercitron, extract, liquid, 50°, bbls..lb. .06½- .09½
solid, dms.....lb. .11 - .16½
Quicksilver, dom., flasks (76 lbs. net), dlvd., N.Y..flask.180.00 -182.00
European, flasks (76 lbs. net), c.i.f., N. Y., incl. war risk insurance..flask.250.00 - —
ex store.....flask.252.00 - —
Quince seed, bgs.....lb. 1.10 - 1.15
Quinidine, N.F.V., cryst., cns.oz. 1.06 - —
powd., precip., cns.....oz. 1.01 - —
Sulphate, cns.....oz. .71 - —

Subject to surcharge of 8½c. per oz; see note under Qninine.

Quinine, 100 ozs., cns.....oz. .54 - —
Acetate, cans.....oz. 1.05 - —
Arsenate, cns.....oz. 1.05 - —
Arsenite, cns.....oz. 1.07 - —
Bisulphate, cns.....oz. .60 - —
Citrate, cns.....oz. .78 - —
Dihydrobromine, bots.....oz. .82 - —
Dihydrochloride, bots.....oz. .82 - —
Ethylcarbonate, cns.....oz. .85 - —
Ferrocyanide, cns.....oz. 1.07 - —
Formate, cns.....oz. 1.00 - —
Hydrochlorosulphate, cns....oz. .81 - —
Glycerophosphate, cns....oz. 1.20 - —
Hydrochloride, cns.....oz. .76 - —
Hydroiodide, cns.....oz. 1.05 - —
Hypophosphite, cns.....oz. 1.07 - —
Phosphate, cns.....oz. .90 - —
Salicylate, cns.....oz. .79 - —
Sulphate, USP, XI, cns.....oz. .67 - —
Sulphocarbonate, cns.....oz. 1.05 - —
Tannate, cns.....oz. .63 - —
Tartrate, cns.....oz. 1.03 - —
Valerate, cns.....oz. .90 - —

Quinine buyers must pay a surcharge of 8½c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Quinine-urea hydrochloride, cns.oz. .81 - —

Subject to surcharge of 8½c. per oz; see note under Quinine.

R

R salt, dry, bbls.....lb. .55 - —
paste, dms.....lb. .52 - —
Rapeseed, Argentine, bgs.....lb. .06 - .06¼
Dutch, bgs.....lb. No stocks
Indian, small, recleaned, bgs.lb. .06¼- .06½
medium, recleaned, bags..lb. .07½- .08
Japanese, bgs.....lb. No stocks
Raspberries, dried, bls.....lb. .60 - .65
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C. E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Red, alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N.C., S.C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld. lb. .90 - —
smaller lots, same basis. lb. .95 - —
kgs., ton lots, same basis. lb. .95 - —
smaller lots, same basis. lb. 1.00 - —
light shade, bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis. lb. .80 - —
kgs., ton lots, same basis, lb. .80 - —
smaller lots, same basis. lb. .85 - —
light-medium shade, bbls., ton lots, same basis..lb. .80 - —
smaller lots, same basis.lb. .85 - —
kgs., ton lots, same basis.lb. .85 - —
smaller lots, same basis.lb. .90 - —
maroon shades, bbls., ton lots, same basis..lb. 1.00 - —
smaller lots, same basis.lb. 1.05 - —
kgs., ton lots, same basis.lb. 1.05 - —
smaller lots, same basis.lb. 1.10 - —
medium shade, bbls., ton lots, same basis..lb. .85 - —
smaller lots, same basis.lb. .90 - —
kgs., ton lots, same basis.lb. .90 - —
smaller lots, same basis.lb. .95 - —
Red, cadmium, selenide, bbls., light, works..lb. 2.20 - —
maroon, works.....lb. 2.70 - —
Carmine, 40, dms., 100 lbs...lb. 4.60 - —
50 lbs.....lb. 4.75 - —
cns., 5 lbs.....lb. 5.25 - —
1 lb.....lb. 5.35 - —
Crocus martis (see Red, purple oxide).
Eosin toner, bbls.....lb. 1.25 - —
Fire, toner, bbls.....lb. .85 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N.Y..lb. .08¾- —
80-85%, bbls., same basis...lb. .07¼- —
Iron oxide (see Red oxide).
Lacquer maroon, bbls., same basis..lb. 1.25 - —
Lake C toner, bbls., same basis, alizarin, lake, contracts..lb. .90 - —
open order.....lb. .90 - —
Litho toner, bbls., same basis, alizarin, lake, contracts..lb. .55 - —
open order.....lb. .60 - —
Rose lake, bbls.....lb. .20 - .22
Pink, bbls.....lb. .15 - .20
Lithol-rubine toner, bbls., same basis, alizarin lake, contracts..lb. 1.10 - —
Maroon lake, 25%, kgs., same basis, alizarin lake, contracts..lb. .40 - —
Mercury oxide, tech., bbls., 10,000 lbs..lb. 2.79 - —
smaller lots.....lb. 2.81 - —
Metallic, bbls., Pa., works...lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .08½- —
l.c.l., works.....lb. .09¼- —
reduced, 85% copperas oxide, bbls. l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, Copley, Ohio..lb. .08¼- —
99% copperas oxide, bbls., same basis..lb. .07¾- —
Para, toner, concent., kgs, same basis, alizarin lake, contracts..lb. .70 - —
open order.....lb. .75 - —
Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N. Y..lb. .05 - —
ex whse., Chicago, St. Louis..lb. .05¾- —
San Fran., Los Angeles, Portland, Seattle..lb. .05½- —
Phloxin toner (see Red, Eosin toner).
Phosphotungstic rhodamine Y. kgs..lb. 3.90 - —
Purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b Bethlehem, Easton, E. St. Louis..lb. .03 - —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis, alizarin lake..lb. .55 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish, oxide, bbls., f.o.b. N.Y..lb. .04½- —
Toluidin toner, kgs., same basis, alizarin lake..lb. 1.05 - —
Tuscan, bbls., f.o.b. N.Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake..lb. .15 Nom.
quicksilver, bbls.....lb. 3.20 - 3.27
Red dyes are listed under Dyes.
Red, precipitate, N. F., powd., fib. dms., 50 lbs. or more..lb. 3.06 - —
Red saunders wood, ground, bbls. lb. .35 - —
Resorcinol, tech., 200-lb. dms., frt. alld., E. of Miss..lb. .68 - —
smaller quantities, works..lb. .74 - —
USP, cryst., 100 lbs., dms., frt. alld., E. of Miss..lb. 1.80 - —
Rhatany root, bgs.....lb. .10 - .11
Rhubarb, cs.....lb. .38 - .40
powd., bbls., kgs.....lb. .43 - .45
Riboflavin .....gram 1.50 - 2.00
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .39¼- —
smaller lots.....lb. .40 - —
powd., bbls., 5,000 lbs., 1 ship't..lb. .38½- —
smaller lots.....lb. .39 - —
Rose flowers, pale, bls.....lb. .42 - .43
red, bls.....lb. 5.00 Nom.
Rosemary, flowers, bls.....lb. .45 - .50
leaves, bls.....lb. .26 - .27
Rosin, gum B, bbls., ex dock.. 100 lbs. 2.06 - —
D, bbls.....100 lbs. 2.26 - —
E, bbls.....100 lbs. 2.31 - —
F, bbls.....100 lbs. 2.34 - —
G, bbls.....100 lbs. 2.35 - —
H, bbls.....100 lbs. 2.35 - —
I, bbls.....100 lbs. 2.35 - —
K, bbls.....100 lbs. 2.36 - —
M, bbls.....100 lbs. 2.38 - —
N, bbls.....100 lbs. 2.47 - —
W. G., bbls.....100 lbs. 2.95 - —
W. W., bbls.....100 lbs. 3.25 - —
X, bbls.....100 lbs. 3.25 - —
wood, F.F., bbls.....100 lbs. 1.65 - 2.00
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.25.50 - —
l.c.l., f.o.b. mines.....ton.37.50 - —
Rue, bls.....lb. No prices
powd., bbls.....lb. No prices
Rue, bls.....lb. .30 - .35

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Sabadilla seed, powd., bbls....lb. .22 - .23
Saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.48 - 1.50
Safflower, bls.....lb. .35 - .40
Saffron, Mexican, bls.....lb. .40 - .45
Spanish, tins.....lb.27.00 -28.00
Safrol, cns.....lb. 1.03 - —
dms. .....lb. 1.00 - —
Sage, Dalmatian, garden, bls..lb. 1.50 Nom.
stemless, bls.....lb. No stocks
ground, bls.....lb. 1.50 Nom.
Greek, believed afloat, bls....lb. .50 - .52
Spanish, bls.....lb. No stocks
Sago, flour, bgs.....lb. .04½- .05
Salicin, bots., 5 lbs.....lb. 7.00 - —
cns., 25 lbs.....lb. 6.75 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd. N. Y..ton.13.70 - —
l.c.l., bgs., dlvd. N. Y..ton.15.50 -16.10
vacuum, common, fine, bgs., c.l., dlvd. N. Y..ton.15.70 - —
l.c.l., dlvd. N. Y.....ton.16.60 -19.70

Saltcake, grd., dom., bbls., works, ton	24.00		Nom.
bulk, works	ton.17.00		Nom.
import, bulk, c.i.f.	ton.16.50		Nom.
Chrome (see Chrome cake).			
Saltpeter, dbl., refined, cryst., 10-20 tons, bbls.	100 lbs. 8.60	-	9.60
1-9 tons	100 lbs. 8.75	-	9.75
less than ton lots	100 lbs. 9.00	-	10.00
gran., bbls., 10-20 tons	100 lbs. 7.60	-	—
1-9 tons	100 lbs. 7.75	-	—
less than ton lots	100 lbs. 8.00	-	—
powd., bbls., 10-20 tons	100 lbs. 8.60	-	—
1-9 tons	100 lbs. 8.75	-	—
less than ton lots	100 lbs. 9.00	-	—
Santonin, cryst., cns.	kilo.150.00		-155.00
Saponin, crude, cns.	lb. 2.25	-	2.50
Purified, cns., 25 lbs.	lb. 3.00	-	3.25
Sarsaparilla root, Honduras, bls., lb.	.28	-	.30
Mexican, bls.	lb. .17	-	.18
Sassafras, bark, ord., bls.	lb. .13	-	.14
select, bls.	lb. .20	-	.21
Savory, bls.	lb. 1.50	-	1.60
Saw palmetto berries, bgs.	lb. .08	-	.09
Scammony root, bgs.	lb. .07	-	.08
resin, lump, cns.	lb. .85	-	—
powd., bxs.	lb. .90	-	—
Schaeffer's salt, bgs.	lb. .46	-	—
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment	lb. .30¾	-	—
smaller lots	lb. .31¼	-	—
kegs, 5,000 lbs., 1 shipm't	lb. .31¼	-	—
smaller lots	lb. .31¾	-	—
Selenium, pwd. A, 10-lb. tins	lb. 2.00	-	—
100-lb. cases	lb. 1.75	-	—
Senega root, spot, bls.	lb. .90	-	.95
Senna leaves, Alexandria, half leaf, bls.	lb. .18	-	.20
siftings, bgs.	lb. .17	-	.19
Tinnevelly, No. 1, bls.	lb. .12	-	.13
2 bls.	lb. .10	-	.11
3 bls.	lb. .08½	-	.09
powd., bbls., bxs.	lb. .12	-	.18
Pods, bls.	lb. .09	-	.10
Serpentaria root, bls.	lb. .60	-	.65
f.o.b. N.Y.	lb. .31	-	.32
Shellac, bleached, bonedry, bbls. divd., Boston	lb. .31	-	.32
Chicago	lb. .31¼	-	.32¼
Pacific Coast	lb. .33½	-	.34½
rfd., bbls., f.o.b. N.Y.	lb. .37	-	.38
divd., Boston	lb. .37¼	-	.38¼
Chicago	lb. .37¾	-	.38¾
Pacific Coast	lb. .40	-	.41
Garnet, bgs.	lb. .25	-	.26
D.C., V.S.O., or Diamond I. cs.,	cs..lb. .34	-	.35
Superfine, bgs., f.o.b. Boston, N.Y.	lb. .25	-	.26
divd., Chicago	lb. .25½	-	.26¼
Pacific Coast	lb. .28	-	.29
T. N., bgs., f.o.b. Boston, N.Y.	lb. .24½	-	.25¼
divd., Chicago	lb. .25	-	.26
Pacific Coast	lb. .28	-	.29
varnish, Metro area, orange, 5-lb. cut, bbls.	gal. 1.25	-	1.30
4¼-lb. cut, bbls.	gal. 1.20	-	1.25
4-lb. cut, bbls.	gal. 1.15	-	1.20
white, 5-lb. cut, bbls.	gal. 1.35	-	1.40
4½-lb. cut, bbls.	gal. 1.30	-	1.35
4-lb. cut, bbls.	gal. 1.25	-	1.30
Prices, divd., Boston or Chicago, 10c. per gal. higher.			
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs., c.l., works	ton.17.00	-	—
l.c.l., 2½ tons, works,	ton.19.00	-	—
smaller lots, works	ton.20.00	-	—
wet-grd., 95-97%, 325 mesh, bgs., c.l., works	ton.19.00	-	—
l.c.l., 2½ tons, works,	ton.21.00	-	—
smaller lots, works	ton.25.00	-	—
400 mesh, bgs., c.l., works,	ton.30.00	-	—
l.c.l., 2½ tons, works	ton.35.00	-	—
smaller lots, works	ton.38.00	-	—
96-98%, 325 mesh, bgs., c.l., works	ton.20.00	-	—
l.c.l., 2½ tons, works	ton.21.50	-	—
smaller lots, works	ton.23.00	-	—
99%, 325 mesh, bgs., c.l., works	ton.22.00	-	—
med. grd., 99%, 325 mesh, l.c.l., 2½ tons, works	ton.25.50	-	—
smaller lots	ton.27.00	-	—
hard-quartz, 99¼%, 325 mesh, bgs., c.l., works	ton.13.50	-	—
l.c.l., works	ton.18.50	-	—
140 mesh, bgs., c.l., works,	ton.11.00	-	—
l.c.l., works	ton.16.00	-	—
Silver, bullion	oz. .34¾	-	—
Govt. purchase, dom., metal,	oz. .7111	-	—
Govt. purchase, foreign metal,	oz. .35	-	—
Cyanide, cns., 2,500 ozs.	oz.	No prices	
1,000 ozs.	oz.	No prices	
500 ozs.	oz.	No prices	
80 to 100 ozs.	oz.	No prices	
Nitrate, vis.	oz. .24	-	—
Nucleinate, bots., dms.	oz. .29	-	.34
Proteinate, bots., dms	oz. .28	-	.33
Simarubra barks, bls.	lb. .30	-	.35
Skullcap, Eastern, bls.	lb. .23	-	.24
Western, bls.	lb. .14	-	.15
Skunk cabbage root, bls.	lb. .11	-	.12
Slate flour, bgs., c.l., works	ton. 9.00	-	—
l.c.l., works	ton.10.00		-15.00
Sloe berries, bgs.	lb. .20	-	.22
Smalt, black, extra velvet, ctns.,	lb. .05	-	.08
Blue, ctns.	lb. .07	-	.08½
Snakeroot, Canada, bls.	lb. .24	-	.26
Soapbark, bls.	lb. .10	-	.11
crushed, bls., bbls.	lb. .13	-	.13½
cut, German, bls., bbls.	lb.	No stocks	
dom., bbls.	lb. .17	-	.18
powd., bbls.	lb. .16	-	.17
Soda, acetate, anhyd., dms., divd.,	lb. .08¼	-	.10
flake, gran., powd., 60%, dms., c.l., divd.	lb. .04	-	.04½
l.c.l., divd.	lb. .04¾	-	.05
USP, bbls., divd.	lb. .06	-	—
90%, dms., c.l., divd.	lb. .06	-	.06½
l.c.l., divd	lb. .06¾	-	.07
Alginate, dms., bbls., works	lb. .69	-	.70
Antimoniate, bbls., divd	lb. .14	-	.14½
Arsenate, dms., dealers, c.l., works	lb. .07½	-	—
l.c.l., dms., works	lb. .08¾	-	.09¼
Arsenite, dry, gray, dms., c.l., dealers, works	lb. .06¼	-	—
l.c.l., dms., works	lb. .07	-	.07½
white, dms., c.l., dealers, works	lb. .07¼	-	—
l.c.l., dms., works	lb. .08	-	.08½

Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Ash, dense, 58%, bgs., c.l., works	100 lbs. 1.10	-	—
l.c.l., Zone 1	100 lbs. 2.12	-	—
2	100 lbs. 2.28	-	—
3	100 lbs. 2.53	-	—
4	100 lbs. 2.93	-	—
Soda ash, dense, bbls., c.l., works,	100 lbs. 1.35	-	—
l.c.l., Zone 1	100 lbs. 2.35	-	—
2	100 lbs. 2.50	-	—
3	100 lbs. 2.75	-	—
4	100 lbs. 3.15	-	—
bulk, c.l., works	100 lbs. .95	-	—
extra light, 58%, bgs., c.l.,	100 lbs. 1.05	-	1.08
l.c.l., Zone 1	100 lbs. 2.08	-	—
2	100 lbs. 2.23	-	—
3	100 lbs. 2.48	-	—
4	100 lbs. 2.88	-	—
bbls., c.l., works	100 lbs. 1.45	-	—
l.c.l., Zone 1	100 lbs.	-	—
2	100 lbs. 2.60	-	—
3	100 lbs. 2.85	-	—
4	100 lbs. 3.25	-	—
bulk, c.l.	100 lbs. .90	-	—
light, 58%, bgs., c.l., works,	100 lbs. 1.05	-	1.08
l.c.l., Zone 1	100 lbs. 2.08	-	—
2	100 lbs. 2.23	-	—
3	100 lbs. 2.48	-	—
4	100 lbs. 2.88	-	—
bbls., c.l., works	100 lbs. 1.35	-	—
l.c.l., Zone 1	100 lbs. 2.35	-	—
2	100 lbs. 2.50	-	—
3	100 lbs. 2.75	-	—
4	100 lbs. 3.15	-	—
bulk, c.l.	100 lbs. .90	-	—

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1: All Northern U.S. E. of Miss. river and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia., parallel; La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Me., N. H. and Vt.; special local zone prices apply for ship't to various counties. Zone 2: Ark. East of 93° Meridian, Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa (except Davenport), Ga., Minn., Mo. (except St. Louis), N. and S. C. and Tenn. Zone 3: Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso), N. and S. D., Okla., Ark., W. of 93° Meridian. Zone 4: El Paso, Tex.; Ariz., Colo., Idaho, Mont., Nev., N. M., Utah and Wyo.

Benzoate, tech., bbls., 4,000 lbs. or more	lb. .39	-	—
1,000 to 3,900 lbs.	lb. .40	-	—
900 lbs. or less	lb. .43	-	—
USP, bbls., fib., 4,000 lbs. or more	lb. .46	-	—
1,000 to 3,900 lbs.	lb. .47	-	—
900 lbs. or less	lb. .50	-	—
Bicarbonate, tech., bbls., c.l., works	100 lbs. 1.70	-	—
l.c.l.	100 lbs. 2.05	-	—
bgs., c.l.	100 lbs. 1.55	-	—
l.c.l.	100 lbs. 1.90	-	—
USP, gran., bbls., c.l., works,	100 lbs. 2.25	-	—
l.c.l.	lb. 2.60	-	—
powd., bbls., c.l., works	100 lbs. 1.85	-	—
l.c.l., divd., N.Y.	100 lbs. 2.51	-	—
kgs., c.l.	100 lbs. 2.10	-	—
l.c.l., divd., N.Y.	100 lbs. 2.76	-	—
Bichromate, spot, c.l., works,	lb. .06¾	-	—
l.c.l., 6 cks. or 10 bbls. or over, works	lb. .07	-	—
5 cks. or 9 bbls. or less, works	lb. .07¼	-	—
Bifluoride, bbls.	lb. .11½	-	.12
Bisulphite, powd., bbls., c.l., works	100 lbs. 3.00	-	3.10
l.c.l., works	100 lbs. 3.50	-	3.60
solution, 32 deg., bbls., c.l., works	100 lbs. 1.30	-	—
l.c.l., bbls., works	100 lbs. 1.55	-	—
33 deg., bbls., c.l., works	100 lbs. 1.35	-	—
l.c.l., bbls., works	100 lbs. 1.60	-	—
35 deg., bbls., c.l., works,	100 lbs. 1.40	-	—
l.c.l., bbls., works	100 lbs. 1.65	-	—
44 deg., bbls., works	100 lbs. 1.55	-	—
l.c.l., bbls., works	100 lbs. 1.80	-	—
Bromide, USP, gran., bbls., 500 lbs.	lb. .27	-	—
fiber dms., 100 lbs.	lb. .28	-	—
Cacodylate, 1-kilo bots.	lb.	No prices	
Carbonate (see Soda ash, soda monohydrated, soda sal).			
Caustic, flake, 76% powd., ammon. process, bbls., c.l., works	100 lbs. 2.95	-	—
dms., c.l., works	100 lbs. 2.70	-	—
l.c.l., Zone 1	100 lbs. 3.55	-	4.90
2	100 lbs. 3.70	-	5.05
3	100 lbs. 3.95	-	5.30
4	100 lbs. 4.35	-	5.70
electro process, dms., c.l., works	100 lbs. 2.70	-	—
l.c.l., same zone prices as ammonia process.			
liquid, 47-49%, buyers' tanks, works	100 lbs. 1.92½	-	—
sellers' tanks, works	100 lbs. 1.95	-	—
70%, buyers' tanks, works,	100 lbs. 1.97½	-	—
sellers' tanks, works	100 lbs. 2.00	-	—
solid, 76% ammon., process, dms., c.l., works	100 lbs. 2.30	-	—
l.c.l., Zone 1	100 lbs. 3.15	-	—
2	100 lbs. 3.30	-	—
3	100 lbs. 3.55	-	—
electro process, dms., c.l., works	100 lbs. 2.30	-	—

Soda, caustic, solid, electro process, dms., l.c.l., same zone prices as ammon. process. Caustic soda, l.c.l., prices are on the same basis as those for soda ash. The sales zones are also the same.

Chlorate, dom., cryst., bgs., c.l., works	lb. .06¾	-	—
l.c.l., works	lb. .06½	-	—
powd., bgs., c.l., works	lb. .06½	-	—
l.c.l., works	lb. .07	-	.08½
Chromate, spot, c.l., works	lb. .08¼	-	—
l.c.l., 6 cks., 10 bbls. or over, works	lb. .08⅜	-	—
Citrate, USP VIII, 225-lb. bbls.,	lb. .18¼	-	—
cns., dms., 50-lb. lots	lb. .20½	-	—
25-lb. lots	lb. .22½	-	.23½
dms., kgs., 100-lb. lots	lb. .19½	-	—
USP XI, gran., bbls., 250-lb. lots	lb. .24	-	—
boxes, 50-lb. lots	lb. .26	-	—
cns., 25-lb. lots	lb. .28	-	.29
kgs., 100-lb. lots	lb. .25	-	—
powd., bbls., 250-lb. lots	lb. .24½	-	—
boxes, 50-lb. lots	lb. .26½	-	—
cns., 25-lb. lots	lb. .28½	-	—
kgs., 100-lb. lots	lb. .25½	-	—
Soda, cyanide, 96-98%, dom., dms.	lb. .14	-	.15
imports, 90%, cs.	lb.	No prices	
Diacetate, 33-35% acidity, bbls., divd.	lb. .09	-	—
anhy., dms., divd.	lb. .12½	-	—
Fluoride, white, 90%, bbls., c.l., frt. alld.	lb. .07	-	—
l.c.l., 10 or over, same basis	lb. .07½	-	—
1-9, same basis	lb. .08	-	—
95%, bbls., c.l., same basis	lb. .07¼	-	—
l.c.l., 10 or over, same basis	lb. .07⅝	-	—
1-9, same basis	lb. .08¼	-	—
Soda fluoride prices at Los Angeles are f.a.s. works.			
Glycerophosphate, NF, cryst., bbls., 1,000-lb. lots	lb. 1.10	-	—
smaller lots	lb. 1.25	-	—
cns., 25 lbs.	lb. 1.50	-	—
powd., bbls., 1,000-lb. lots	lb. 1.15	-	—
smaller lots	lb. 1.30	-	—
cns., 25 lbs.	lb. 1.55	-	—
Hydrosulphite, dms.	lb. .17	-	.18
Hydroxide, USP, sticks, cns., 100 to 1,000-lb. lots	lb. .22	-	.24
Hypophosphite, N. F., cns., 100-lb. lots	lb. .67	-	—

Saltcake—Soda Hyposul.

Soda, hyposulphite, cryst., large, bgs., works, frt. equal'd,	100 lbs. 2.25	-	—
bbls., same basis	100 lbs. 2.45	-	—
l.c.l., bgs., works, frt. equal'd	100 lbs. 2.50	-	—
bbls., same basis	100-lbs. 2.70	-	—
pea, bgs., c.l., works	100 lbs. 2.60	-	—
bbls., works	100 lbs. 2.80	-	—
dms., works	100 lbs. 3.10	-	—
5,000 lbs. and over, bgs., works	100 lbs. 2.75	-	2.80
bbls., works	100 lbs. 2.95	-	3.20
dms., works	100 lbs. 3.25	-	3.60
2,500 to 5,000 lbs., bgs., works	100 lbs. 2.85	-	3.10
bbls., works	100 lbs. 3.05	-	3.30
dms., works	100 lbs. 3.35	-	3.60
500 to 2,500 lbs., works,	100 lbs. 3.10	-	3.25
bbls., works	100 lbs. 3.30	-	3.55
dms., works	100 lbs. 3.60	-	3.85
less than 500 lbs., bgs., works	100 lbs. 3.70	-	3.95
bbls., works	100 lbs. 3.90	-	4.15
dms., works	100 lbs. 4.20	-	4.45

SUCCESSFULLY SOLVING PROBLEMS LIKE THESE... proves the value of Bemis Shipping Research

PROBLEM: Company losing business because product became lumpy.

(Lumping overcome and sales increased by new container "prescribed" after Bemis shipping research.)

PROBLEM: Moisture from air liquefied product which then caked.

(Bemis research provided proper protection and cut packing and shipping costs.)

PROBLEM: Product difficult to store due to moisture, bacteria and acid content.

(Overcome by Bemis research which also opened new market and lowered packaging costs.)

PROBLEM: Product lost weight in shipment.

(Better protection, resulting from Bemis research, prevented product from drying out and losing weight. Increased length of satisfactory storage.)

Let Bemis run a laboratory test on your containers

Bemis maintains a complete Shipping Research Laboratory in which your packaged products can be put through all the hazards of actual shipment and storage. Here, without obligation, we will check the efficiency of your containers, give you a complete report and advise you should we find any way your containers could be improved.

Write for complete details of this unique service which has helped scores of firms increase sales and profits through increased customer-satisfaction, and lowered shipping, handling and container costs. Also send coupon today for special brochure which gives the complete story of Bemis Waterproof Bags.

BEMIS WATERPROOF BAGS are also made ODORPROOF, SIFTPROOF, DUSTPROOF, LINTPROOF, ACID AND GREASE RESISTANT . . .

WATERPROOF DEPARTMENT
BEMIS BRO. BAG CO.
ST. LOUIS • BROOKLYN

BEMIS BRO. BAG CO.
400 Poplar Street, St. Louis, Mo.; 5102 Second Avenue, Brooklyn, N. Y.
Please send your special brochure and details about use of Bemis
Waterproof Bags for _____ (Product)
Firm Name _____
Street Address _____
City _____ State _____
Mark for the attention of _____

Soda, Iodate—Strychnine Sulph.

Soda, iodate, jars.....lb. 5.49 - —
Iodide, jars.....lb. 2.42 - —
bots. .....lb. 2.53 - 2.57
Mandelate, 100-lb. dms.....lb. 3.25 - —
Metanilate, bgs.....lb. .41 Nom.
Metasilicate, anhyd., dms., c.l., works, frt. equalid.. 100 lbs. 3.75 - —
15 dms. and over, divd. N.Y..100 lbs. 4.65 - —
3-14 dms., same basis... 100 lbs. 4.50 - —
1-2 dms., same basis... 100 lbs. 5.05 - —
gran., bbls., c.l., works...lb. 2.35 - —
10 bbls. and over, divd., N.Y..lb. 3.10 - —
1-9 bbls., divd. N.Y.....lb. 3.35 - —
Molybdate, anhyd., kgs., works, lb. .47 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, c.l., 100-lb. bgs., divd., f.o.b. cars producing points or ports, rail or boat shipment.ton.29.40 - —
200-lb. bgs., same basis.. ton.28.70 - —
bulk, same basis.....ton.27.00 - —

Soda, nitrate, refd., gran., bbls., 10-ton..100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
powd., bbls., 10 tons.100 lbs. 5.50 - —
1-9 tons.....100 lbs. 5.65 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized....lb. .09¾- —
c.l., West Coast, f.o.b. ports..lb. .08 - —
l.c.l. .....lb. .08¼- .11½
Soda nitrite l.c.l. prices range represents delivery at various points.
Orthosilicate, anhy., dms., c.l., works, frt. equal'd..lb. 4.50 - —
15 dms., and over, same basis..lb. 5.45 - —
3-14 dms., same basis..lb. 5.60 - —
1- 2 dms., same basis..lb. 5.85 - —
flake, dms., c.l., works.. 100 lbs. 3.00 - —
Oxalate, neut., bbls.....lb. .42 - —
kgs. .....lb. .44 - —
Perborate, NF, bbls., c.l., works, lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Pentachlorphenate briquets, single bgs., works..lb. .26 - —
70 lbs., bgs., works.....lb. .19½- —
490 lbs., bgs., works.....lb. .17½- —
powd., 100 lbs., bgs., works, lb. .19 - —
500 lbs., bgs., works.....lb. .17 - —

Soda, phosphate, dibasic, anhyd., bgs., c.l., works...100 lbs. 5.40 - —
l.c.l., works.....100 lbs. 6.35 - —
bbls., c.l., works...100 lbs. 5.60 - —
l.c.l., works.....100 lbs. 6.55 - —
cryst., tech., bgs., c.l., works..100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.60 - —
bbls., c.l., works...100 lbs. 2.40 - —
l.c.l., works.....100 lbs. 2.80 - —
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - —
l.c.l., works.....100 lbs. 8.00 - —
bbls., c.l., works...100 lbs. 7.45 - —
l.c.l., works.....100 lbs. 8.20 - —
tribasic, bgs., c.l., works...lb. 2.35 - —
l.c.l., works.....100 lbs. 2.75 - —
bbls., c.l., works.....100 lbs. 2.55 - —
l.c.l., works.....100 lbs. 2.95 - —
kegs, c.l., works...100 lbs. 3.05 - —
l.c.l., works.....100 lbs. 3.45 - —
USP (dibasic), bbls., dms., works..lb. .08 - .10
dried, bbls., dms., works.lb. .11½- .16
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .10¼- —
contracts .. ..lb. .09½- —
smaller lots.....lb. .10¾- —
contracts .....lb. .09¾- —
Pyrophosphate, anhyd., bgs., c.l., works, frt., equal'd.100 lbs. 5.10 - —
l.c.l., same basis..100 lbs. 5.35 - 5.60

Soda, pyrophosphate, bbls., c.l., works, frt. equalized, 100 lbs. 5.30 - —
l.c.l., same basis...100 lbs. 5.55 - 5.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal., bgs., divd. N. Y...100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., divd. N. Y.....100 lbs. 1.30 - —
works .....lb. 1.10 - 1.30
Salicylate, bxs.....lb. .52 - —
Sesquicarbonate, bgs., c.l., works..100 lbs. 1.50 - —
bbls., c.l., works...100 lbs. 1.70 - —
bbls., l.c.l., Zone 1....100 lbs. 2.70 - —
2 .....100 lbs. 2.85 - —..
3 .....100 lbs. 3.10 - —
4 .....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales are also the same.
Sesquisilicate, dms., c.l., works, 100 lbs. 2.90 - —
10 dms. or over, divd. N.Y.C., 100 lbs. 4.00 - —
1-9 dms.....100 lbs. 4.25 - —
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1 to 4, works....100 lbs. 1.20 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1 to 4, works....100 lbs. 1.80 - —
Silicofluoride, dom., bbls.....lb. .10 - .12
Stannate, dms.....lb. .33½- .36½
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works, 100 lbs. 1.70 - 1.90
less than 5 tons, works, 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, divd., 100 lbs. 2.75 - —
less than 5 tons, divd., 100 lbs. 3.00 - —
solid, bbls., c.l., works, 100 lbs. 3.00 - —
l.c.l., 5 tons or over, divd., 100 lbs. 3.50 - —
less than 5 tons, divd., 100 lbs. 3.75 - —
Sulphite, cryst., bgs., 100 lbs., works..lb. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more...100 lbs. 5.50 - —
1 to 4.....100 lbs. 6.00 - —
Sulphocarbolate, gran., bbls., dms..lb. .26 - .29
Sulphocyanide, dms., cns....lb. .28 - .47
Sulphohydrate, liquid, 38%, basis 100%, dms., c.l., f.o.b. works..lb. .05½- —
l.c.l., works.....lb. .06 - —
single dm. lots, works...lb. .08 - —
tanks, works.....lb. .04½- —
flake, 70-72%, dms., c.l., works, lb. .04½- —
l.c.l., works.....lb. .05 - —
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see Hyposulphite).
Tungstate, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Solvent, naphtha, dms., wks.gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
high-flash, dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld..gal. .26 - —
Sorbitol, com'l, dms., c.l., works, lb. .14¾- —
ton lots, contracts, works, lb. .15¼- —
smaller lots, works.....lb. .15¾- —
Soybean meal, 41-44%, bgs..ton.31.70 - —
protein, bgs., c.l., works....lb. .11½- —
l.c.l., works.....lb. .11¾- .15
Sparteine sulphate, cns.....oz. 4.00 - 4.25
Spearmint leaves, bls.....lb. .30 - .31
Spikenard root, bls.....lb. .16 - .17
Spruce extract, reg., bbls., c.l., works..lb. .01¾- —
tanks, works.....lb. .01½- —
powd., super, bgs., c.l., works, lb. .04 - —
super, bbls., c.l., works.....lb. .01¾- —
tanks, works.....lb. .01½- —
Squawvine, leaves, bls.....lb. .14 - .15
Squill, red, powd.....lb. 1.25 - 1.30
White, bls.....lb. No prices
powd., bbls., bxs.....lb. No prices
St. Ignatius beans, bgs.....lb. .45 - .46
St. John's Bread, edible, bls., lb. .15 - .20
inedible, bls.....lb. .09 - .10
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 3.00 - —
divd., N. Y.....100 lbs. 3.35 - —
powd., bgs., f.o.b. Chicago, 100 lbs. 3.70 - —
divd., N. Y.....100 lbs. 3.45 - —
Potato, dom., bgs., c.l.....lb. .05 - —
l.c.l. .....lb. .06 - —
import, bgs.....lb. No prices
Rice, bbls.....lb. .07½- .08½
Sweetpotato, bgs.....lb. .06¼ Nom.
bbls. .....lb. .07 Nom.
Wheat, thick, boil, bgs.....lb. .05 - —
Starch, iodide, bots.....lb. 1.87 - —
Staveacre, seed, bgs.....lb. .35 - .40
Stearin, oleo.....lb. .09 Nom.
Stillingia root, bls.....lb. .07½- .08
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. 1.30 - 1.35
Stramonium leaves, bls.....lb. .48 - .52
Strontium bromide, cns.....lb. .52 - .55
Carbonate, NF, IV, 250-lb. bbls..lb. No prices
tech., 99-100%, precip., bbls., lb. .25 Nom.
Chloride, tech., bbls.....lb. .22 - .26
Iodide, bots., 5 lbs.....lb. 3.06 - —
jars, 25 lbs.....lb. 3.00 - —
Nitrate, dom., bbls., c.l., works, lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-24 bbls. and over.....lb. .08¾- —
Strophanthus seed, Kombe, bgs.lb. 3.75 - 4.00
Strolyl acetate, bots.....lb. 3.10 - 3.20
Strychnine, cryst., cns., 100-oz. lots..oz. .60 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .79 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .82 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .79 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .79 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .91 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .73 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .50 - —
powd., cns., 100-oz. lots.oz. .40 - —

DOW SALICYLATES

Achievements in Salicylate Manufacture

Recognizing the need of pharmaceutical manufacturers for a dry granulation of Acetyl Salicylic Acid for direct tableting, without need of further preparation, Dow pioneered the manufacture of granulation with starch.

While developing a Sodium Salicylate for intravenous administration, Dow also perfected a whiter, purer U.S.P. product which is being offered by Dow for general use.

A more complete list of Dow Salicylates embraces:

Acetyl Salicylic Acid, U.S.P., Powder

Acetyl Salicylic Acid, U.S.P., Crystals

Acetyl Salicylic Acid, Granulation 10% Starch (white, pink, and green)

Acetyl Salicylic Acid, Granulation 16% Starch (white)

Acetyl Salicylic Acid, Granulation 20% Starch (white)

Ammonium Salicylate, U.S.P.

Antipyrene Salicylate

Ethyl Salicylate Carbonate

Magnesium Salicylate

Methyl Salicylate, U.S.P.

Salicylic Acid, U.S.P.

Salol, U.S.P.

Sodium Salicylate, U.S.P.

Strontium Salicylate, N.F.

THE DOW CHEMICAL COMPANY, MIDLAND, MICHIGAN

New York City, St. Louis, Chicago, San Francisco, Los Angeles, Seattle

Working with you for America

DOW

Sucrose Octa-acetate, C.P. grade, bbls., l.c.l., works	lb.	.55	—
denat., bbls., l.c.l., works	lb.	.45	—
tech., bbls., l.c.l., works	lb.	.40	—
Sugar coloring, bbls.	gal.	.75	- 1.45
Milk, bbls., c.l.	lb.	.16	—
l.c.l., 10 or over	lb.	.17	—
less than 10	lb.	.18	—
Sulfanilamide, 5 lbs., bots.	lb.	1.70	—
fib. dms., 1,000 lbs., 1 delivery	lb.	1.25	—
100 lbs.	lb.	1.30	—
25-lb. lots	lb.	1.45	—
Sulfapyridine, powd., for hospitals, 5-gram bots.	bot.	1.04	—
Sulphonethylmethane, kgs.	lb.	6.75	- 6.80
Sulphonmethane, kgs.	lb.	5.55	—
Sulphur, crude, bulk, f.o.b. cars, mines, contracts	long ton.	16.00	—
f.o.b. steamers, Gulf ports, contract	long ton.	17.50	—
Flowers, USP, bgs., c.l., mine, 100 lbs.		2.80	—
l.c.l., mine	100 lbs.	3.35	—
bbls., c.l., mine	100 lbs.	3.15	—
l.c.l., mine	100 lbs.	3.70	—
Flour, comm'l, bgs., c.l., mine, 100 lbs.		1.40	—
l.c.l., mine	100 lbs.	1.95	—
Refined, cast, bgs., c.l., mine, 100 lbs.		1.95	—
l.c.l., mine	100 lbs.	2.50	—
heavy, USP, bgs., c.l., mine, 100 lbs.		2.35	—
l.c.l., mine	100 lbs.	2.90	—
bbls., c.l., mine	100 lbs.	2.70	—
l.c.l., mine	100 lbs.	3.25	—
light, USP, bgs., c.l., mine, 100 lbs.		2.45	—
l.c.l., mine	100 lbs.	3.00	—
bbls., c.l., mine	100 lbs.	2.80	—
l.c.l., mine	100 lbs.	3.35	—
lump, bgs., c.l., mines, 100 lbs.		1.95	—
l.c.l., mine	100 lbs.	2.50	—
bbls., c.l., mine	100 lbs.	2.10	—
l.c.l., mine	100 lbs.	2.65	—
roll, bgs., c.l., mine	100 lbs.	2.15	—
l.c.l., mine	100 lbs.	2.70	—
bbls., c.l., mine	100 lbs.	2.30	—
l.c.l., mine	100 lbs.	2.85	—
Rubbermakers, comm'l, 99½%, bgs., c.l., frt. alld.	100 lbs.	2.00	—
refined, 100%, bgs., c.l., frt. alld.	100 lbs.	2.85	—
Chloride, 55-gal. dms., c.l.	lb.	.03	—
l.c.l., dms., works	lb.	.04	—
10-gal. dms., c.l.	lb.	.07	—
l.c.l.	lb.	.08	—
Dioxide, liquid, com'l, cyls., works	lb.	.07	- .09
multi-unit, cars, works	lb.	.04½	- .07
tanks, works	lb.	.04	- .06
refrigeration, cyls, works	lb.	.16	- .40
multi-unit cars, works	lb.	.07½	- .10
Iodide, bots., jars	lb.	3.90	- 4.05
Precipitated, USP, bbls.	lb.	.17	- .22
Sumac, grd., Sicilian, f.a.s.	ton.	No prices	
leaf, f.a.s.	ton.	No prices	
Extract, 42°, bbls.	lb.	.06	- .06¾
51°, bbls.	lb.	.07	- .07¼
stainless, bbls	lb.	.09	- .11
Berries, bgs.	lb.	.10	- .12
Sunflower seed, Calif., large, bgs.,	lb.	.06¾	- .07¼
medium, bgs.	lb.	.06	- .06¼
poultry, Argentine	lb.	.05	- .05½
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto.,	ton.	8.50	—
run-of-pile, basis 16%, bulk, same basis	ton.	8.00	—
triple, 40-48% a.p.a., bulk, f.o.b. Balto.	unit-ton.	.68	—

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Talc., dom., Calif., 1, bgs., c.l., mills	ton.	20.00	—
2, bgs., c.l., mills	ton.	17.00	—
N. Y., fibrous, 93-94%, 325 mesh, bgs., c.l., mills	ton.	14.00	-16.00
l.c.l., mills	ton.	16.00	-18.00
96-98%, 325 mesh, c.l., mills,	ton.	15.00	-17.00
l.c.l., mills	ton.	17.00	-19.00
99.85-99.95%, 325 mesh, bgs., c.l., mills	ton.	15.25	-17.25
l.c.l., mills	ton.	17.25	-19.25
99.85-99.95%, 325 mesh, bgs., c.l., mills	ton.	17.00	-19.00
coarse, off color, bgs., c.l., mills	ton.	11.00	-13.00
Aluminum, flake, type grd., bgs., c.l., mills	ton.	21.00	—
l.c.l., mills	ton.	24.50	—
Vermont, bgs., c.l., mills	ton.	14.00	—
l.c.l., ex whse	ton.	25.00	—
Imp., Canad., bgs., c.l., mills,	ton.	No prices	
French, high-grade, bgs., l.c.l., ex whse.	ton.	No prices	
ordinary, bgs., c.l., ex dock, arrival	ton.	No prices	
l.c.l., ex whse.	ton.	No prices	
Italian, 1, bgs., ex dock, arrival	ton.	No prices	
ex whse.	ton.	No prices	
2, bgs., ex dock, arrival	ton.	No prices	
Tallow, extra, loose	lb.	.07⅜	—
special, loose	lb.	.07¼	—
sulphonated, 35% (24% fat), dms., c.l.	lb.	.04¼	—
l.c.l.	lb.	.05¼	—
50% (43% fat), dms., c.l.	lb.	.05⅜	—
l.c.l.	lb.	.06¾	—
50% (48% fat), dms., c.l.	lb.	.06¼	—
l.c.l.	lb.	.07¼	—
Tamarind, No. 1, bbls.	lb.	.06	- .07
kegs	keg.	6.00	- 8.00
Tankage, fertilizer, animal, dom., grd., 9% ammon., 10% b.p.l., bulk, basis N.Y.	unit-ton.	3.00 &	.10
10-11% ammon., 15% b.p.l., bulk, basis Chi.	unit-ton.	2.75 &	.10
feeding, unground, 9-11% ammon., 15-20% b.p.l., bulk, basis N.Y.	unit-ton.	3.25 &	.10
high-grade, bulk, Chicago,	unit-ton.	3.50 &	.10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f. ports, January shipments,	unit-ton.	2.75	Nom.
Tansy leaves, bls.	lb.	.22	- .28
Tapioca flour, bgs.	lb.	.04¼	- .05½
Tar acid oil, 15%, dms., c.l., works	gal.	.22	—
l.c.l., same basis	gal.	.24	—
25%, dms., c.l., works	gal.	.25	—
l.c.l., same basis	gal.	.27	—
Tar, pine, retort, dms., c.l., dlvd. E. cities	gal.	.27	—
ports	gal.	.26	—
l.c.l.	gal.	.27	—
tanks, dlvd. E. cities	gal.	.21	—
Tarragon herb, bgs.	lb.	1.15	Nom.
Tartar emetic, tech., fine gran. or powd., bbls., 5 or more,	lb.	.44¾	—
less than 5	lb.	.45	—
USP, powd, bbls.	lb.	.50	—
Terebene, cns.	lb.	.90	- .92
Terpinyl acetate, cns.	lb.	.80	- .85
Terpin hydrate, bbls., dms.	lb.	.60	- .65
Terpineol, CP, cns.	lb.	.30	—
dms.	lb.	.27	—
alpha, denat. grade, dms., c.l., wks., net wgt.	lb.	.17	—
Terra alba (see Gypsum).			
Tetrachloroethane, dms., wks.	lb.	.08	- .08½
Tetrachloroethylene, CP, dms.	lb.	.21½	—
tech. (see Perchloroethylene).			
Tetralin, dms.	lb.	.19	—
Tetrasodium pyrophosphate (see soda pyrophosphate).			
Thallium sulphate, 99% pure, bots., works	lb.	5.00	- 7.00
Theobromine, 5-lb. cns.	lb.	3.00	Nom.
Sodiosalicylate, dms.	lb.	2.05	—
Thiamine hydrochloride, bots., cns.	gram.	.65	- .90
Thiocarbanilide, dms.	lb.	.24	—
Thorium, nitrate, cs., works	lb.	2.00	—
Thyme, French, bls.	lb.	.62	- .64
Spanish, bls.	lb.	.15¼	- .15⅝
Thymol, dms., 100 lbs.	lb.	1.50	—
cns., 25 lbs.	lb.	1.55	- 1.60
Iodide, kgs., 50 lbs.	lb.	3.40	—
25 lbs.	lb.	3.50	—
Timbo root (see Cube root).			
Tin, chloride (ous), anhyd.	lb.	.48	- .48½
Crystals, bbls., bgs.	lb.	.39	- .39½
Metal, Straits	lb.	.52½	—
Oxide, bbls.	lb.	No prices	
Tetrachloride, anhyd., bbls.	lb.	.27	- .27½
Titanium, dioxide, bgs., c.l., (20 tons)	lb.	.13¼	—
l.c.l., 5 tons, single delivery	lb.	.12¾	—
1,000-9,999 lbs.	lb.	.14	—
50-999 lbs.	lb.	.14¼	—
under 50 lbs.	lb.	.16¼	—
Titanium, dioxide, bbls., c.l. (20 tons)	lb.	.13¾	—
l.c.l., 5 tons, single delivery	lb.	.14	—
1,000-9,999 lbs.	lb.	.14¼	—
50-999 lbs.	lb.	.14½	—
non-chalking, bgs., c.l. (20 tons)	lb.	.13½	—
l.c.l., 5 tons, single delivery	lb.	.13⅝	—
1,000-9,999 lbs.	lb.	.16	—
50-999 lbs.	lb.	.16¼	—
under 50 lbs.	lb.	.18½	—
bbls., c.l. (20 tons)	lb.	.15¾	—
l.c.l., 5 tons, single delivery	lb.	.16	—
1,000-9,999 lbs.	lb.	.16¼	—
50-999 lbs.	lb.	.16½	—
chalk-resistant, bgs., c.l. (20 tons)	lb.	.14	—
l.c.l., 5 tons, single delivery	lb.	.14¼	—
1,000-9,999 lbs.	lb.	.14½	—
50-999 lbs.	lb.	.14¾	—
under 50 lbs.	lb.	.17	—
bbls., c. l. (20 tons)	lb.	.14¼	—
l.c.l., 5 tons, single delivery	lb.	.14¼	—
1,000-9,999 lbs.	lb.	.14¾	—
50-999 lbs.	lb.	.15	—
barium or magnesium base, bgs., c.l. (20 tons)	lb.	.05½	—
l.c.l.	lb.	.05¾	—
under 50 lbs.	lb.	.06½	—
bbls., c.l. (20 tons)	lb.	.05¾	—
l.c.l.	lb.	.06	—
calcium base, bgs., c.l. (20 tons).	lb.	.05¼	—
l.c.l.	lb.	.05½	—
under 50 lbs.	lb.	.06¼	—

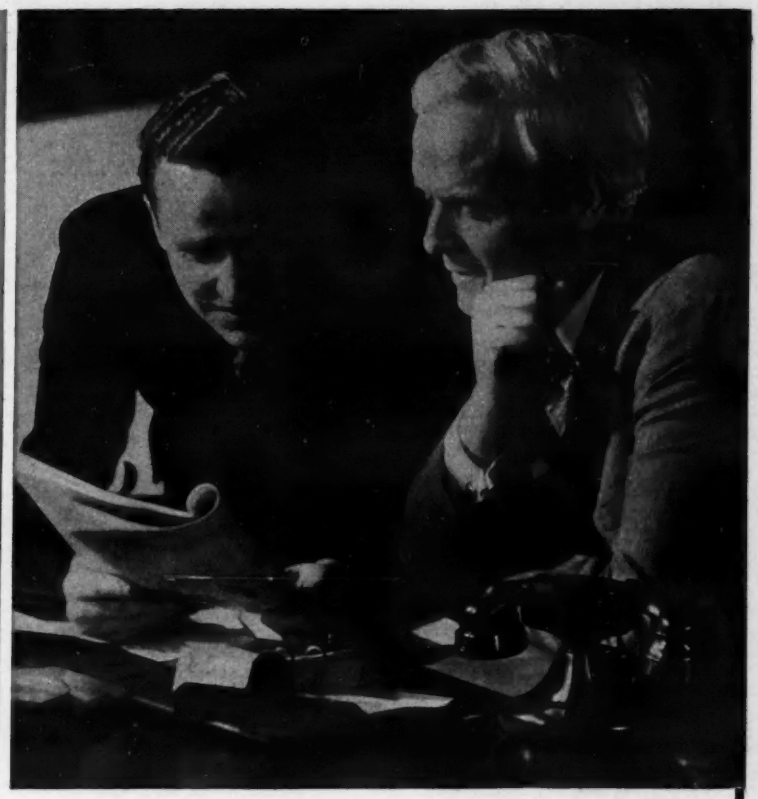
Sucrose Octa.—Triamylborate

Titanium, calcium base, bbls., c.l. (20 tons)	lb.	.05½	—
l.c.l.	lb.	.05¾	—
calcium-rutile base, bgs., c.l. (20 tons)	lb.	.05¼	—
l.c.l.	lb.	.05½	—
under 50 pounds	lb.	.06¼	—
bbls., c.l. (20 tons)	lb.	.05¼	—
l.c.l.	lb.	.05¾	—

Carload prices are f.o.b. factories with actual freight paid. Less than carload prices are f.o.b. factories or ex warehouse with actual freight or trucking paid, except on the Pacific Coast, where they are f.o.b. warehouses.

Toluidin base, distilled, kgs.	lb.	.96	—
Tolu, balsam, cns.	lb.	.85	- .88
Toluidin, mixed, dms.	lb.	.26	—
Toluol (toluene), 2° indus., dms., returnable	gal.	.32	—
tanks, E. of Omaha, frt. alld.,	gal.	.27	—
tanks, W. Coast, f.o.b. Minnequa, Colo.	gal.	.27	—
1° nitration, dms., returnable,	gal.	.33½	—
tanks, E. of Omaha, frt. alld.,	gal.	.28½	—
W. Coast, f.o.b. Minnequa, Colo.	gal.	.28½	—
Tonga vine, F, bls.	lb.	.65	- .70
root, bls.	lb.	.65	- .70
Tonka beans, Angostura, cks.	lb.	2.40	- 2.50
Brazilian, Surinam, cs.	lb.	.70	- .95
Triacetin, dms.	lb.	.26	—
Triamyl borate, dms., l.c.l., works,	lb.	.27	—

CONSIDERING IMPROVEMENTS IN YOUR *Processing?* YOU'LL NEED COLUMBIA LIQUID CAUSTIC!



PRACTICAL experience with many new developments in processes employing Caustic Soda makes one point especially clear. Caustic Soda of the utmost purity is a most important essential.

To meet these special needs, Columbia was already well prepared in advance—with Liquid Caustic of exceptional purity—and an entire fleet of newly designed tank cars that keep it pure in transit. In fact, for two full years, these unique Columbia cars have been delivering Columbia Liquid Caustic—both 50% and 73% grades—in perfect condition to meet the specific needs of those who use it.

And this is a point it will pay any user of processing chemicals to remember. *All* Columbia products benefit from the same care in manufacture and shipment that make our Liquid Caustic so suitable for the most exacting requirements. It will pay you to standardize on Columbia Chemicals for your needs.

ESSENTIAL INDUSTRIAL CHEMICALS
• SODA ASH • CAUSTIC SODA • SODIUM BICARBONATE • SILENE
• LIQUID CHLORINE • CALCIUM CHLORIDE • HENNIG PURIFIER
• MODIFIED SODAS • CAUSTIC ASH • PHOSFLAKE • CALCENE

COLUMBIA CHEMICALS

PITTSBURGH PLATE GLASS COMPANY
Columbia Chemical Division
30 ROCKEFELLER PLAZA
NEW YORK, N.Y.
Chicago • Boston • St. Louis • Pittsburgh • Cincinnati • Cleveland • Minneapolis • Philadelphia • Charlotte

Triamylamine—Zirconium

Triamylamine, l.c.l., works....lb. .90 - —
Tributylamine, l.c.l., dms., works, lb. .70 - —
Tributyl citrate, ton lots, 475-lb. dms..lb. .24 - —
smaller lots.....lb. .32 - —
Phosphate, dms., l.c.l., dlvd..lb. .42 - —
cns., works.....lb. .46 - .48
Trichlorobenzene, dms., c.l., frt. alld..lb. .07 - —
l.c.l., same basis.....lb. .07½- —
tanks .....lb. .06½- —
Trichlorethylene, dms., c.l., works, frt. alld., Zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, c.l., works, frt. alld., lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following States:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Tricresyl phosphate, CP, cns., dlvd..lb. .40½- .51½
dms., c.l., dlvd.....lb. .34½- —
tech., dms.....lb. .22 - —
500 lbs., dms.....lb. .22½- —
less than 500 lbs.....lb. .25½- .36½
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethylamine, dms., l.c.l., works, lb. 1.05 - —
Triethyl citrate, ton lots, 500-lb. dms..lb. .24 - —
smaller lots.....lb. .32 - —
Triethyl phosphate, dms., dlvd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .86
dms., dlvd.....lb. .50 - —
Trimethylamine, dms., c.l., dlvd., lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Triphenyl phosphate, dms.....lb. .38 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double grd., bgs., c.l., works, ton.16.00 - —
once-grd., bgs., c.l., works.ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal powd., 90%, dms., works..lb. No prices
Oxide, CP, kgs.....lb. No prices
Chem. grade, kgs.....lb. No prices
Turmeric root, Alleppey, bgs..lb. .08½ Nom.
Madras, bgs.....lb. .07½- .08
Turpentine, spirits, gums, bbls., c.l., ex dock..gal. .46 - —
l.c.l., 10 ex dock.....gal. .48 - —
5 ex dock.....gal. .50 - —
wood, dest., dist., dms., c.l., dlvd. E. ports..gal. .35 - —
l.c.l. .....gal. .36 - —
tanks, dlvd. E. cities....gal. .30 - —
steam-dist., dms., c.l., dlvd.gal. .42 - —
l.c.l., dlvd.....gal. .45 - —
tanks, dlvd.....gal. .37 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, kgs.....lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46% N., bgs., 20 tons, f.o.b. Belle, W. Va., Searsport, Me., Norfolk, Wilmington, N. C., Charleston, Savannah, Jacksonville, Tampa, Pensacola, Mobile, Gulfport, New Orleans..ton.85.00 - —
l.c.l., 5 tons, f.o.b. Baltimore, Boston, New York, Newark, Philadelphia, Wilmington, Del.....ton.85.00 - —
smaller lots, f.o.b. Newark, New York, Philadelphia, ton.91.00 - —
any quantity, f.o.b. Belle, W. Va..ton.85.00 - —
import, 46% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., ship..ton. No prices
smaller lots, f.o.b. N. Y. whse..ton. No prices
pure, cs.....lb. .12 - —
Urea-ammonia, basis 42% N., bulk, c.l., f.o.b. Belle, W. Va., or Atl., Gulf ports.ton.57.40 - —
bags, same basis.....ton.59.40 - —
45% N., tanks, f.o.b. Belle, W. V., or Atl., Gulf ports, ton.121.86 - —
37% N. (insoluble), f.o.b. Belle, W. Va., or Atl., Gulf ports, ton.127.00 - —
Uva ursi leaves, bls.....lb. .12 - .13

V

Valerian root, bls.....lb. .48 - .50
Valonia, beards, bgs., f.a.s...ton. No prices
cups, bgs., f.a.s.....ton. No prices
Vanadium pentoxide, C.P., bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins..lb.11.00 Nom.
Mexican, tins.....lb.10.50 Nom.
cuts, tins.....lb. 9.50 Nom.
South American, tins.....lb.10.50 Nom.
Tahiti, tins.....lb. 5.25 - 5.50
Oleoresin, bots.....lb.No quotations
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex guaiacol, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
ex lignin, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
Venice turpentine, true, cs....lb. 1.75 - 2.00
Verdigris, bbls., kgs.....lb. .22 - .23
Vinyl acetate, cns., works.....lb. .25 - —
dms., c.l., 20,000 lbs. gross, works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals., dms., works.....lb. .25 - —
Violet, methyl. toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo bark, bls.....lb. .40 - .41
tree .....lb. .19 - .22
Wattle bark, bgs., f.a.s.....ton.39.50 -41.50
Extract, solid, bgs.....lb .04½- .04¼
liquid, tanks.....lb. .05 - —
bbls. .....lb. .05½- —
Wax, amorphous, group 3, at refineries: 160-165, amber, lb. .15½- —
160-165, black.....lb. .14 - —
160-165, white.....lb. .26 - —
180-185, amber.....lb. .17½- —
180-185, black.....lb. .16 - —
180-185, white.....lb. .30 - —
Bayberry, bgs.....lb. .18 - .20
Bees, white, bleach, slabs, cs., lb. .38 - .40
cake, cs.....lb. .39 - .41
discs, cs.....lb. .40 - .42
yellow, crude, Africa, 10-bg. lots..lb. .30 Nom.
1 bg.....lb. .30½ Nom.
Brazil, bgs., 5-ton lots.lb. .30 - .31
1 ton.....lb. .30½- .31½
500 lbs.....lb. .31 - .32
100 lbs.....lb. .31½- .32½
refd., slabs, cs., lbs.....lb. .35 - .36
Candelilla, bgs., 1 ton.....lb. .21 - .22
jobbing lots.....lb. .21½- .22½
Carnauba, No. 3, chalky, bgs., 1 ton..lb. .56 - .57
5 bgs.....lb. .56½- .57½
1 bg.....lb. .57 - .58
N. C., 2, bgs., 1 ton.....lb. .64 - .65
N. C., 3, bgs., 1 ton.....lb. .60 - .61
5 bgs.....lb. .60½- .61½
1 bg.....lb. .61 - .62
refined, bgs.....lb. .64½- .65
yellow, No. 1, bgs, ton...lb. .68 - .69
5 bgs.....lb. .68½- .69½
1 bg.....lb. .69 - .70
No. 2, bgs.....lb. .67 - .68
Ceresin, dom., 138°, 140° m.p., bgs., 1 ton..lb. .11 - .11½
jobbing lots.....lb. .12 - .12½
150°-160° m.p., bgs., 1 ton.lb. .13 - .13½
jobbing lots.....lb. .14 - .14½
160° m.p., bgs., 1 ton.....lb. .14 - .14½
jobbing lots.....lb. .15 - .15½
Japan, cs.....lb. .17½- .18
Montan, bgs., c.l.....lb No prices
5 tons.....lb. No prices
less than 1 ton.....lb. No prices
Ouricury, crude, bgs.....lb. .42 - .44
double refined, bgs.....lb. .48 - .50
single refined, bgs.....lb. .46 - .48
Ozokerite, hard, green, congeal, p. 66°-68° C., bgs..lb. No prices
70°-72° C., bgs.....lb. No prices
74°-76° C., bgs.....lb. No prices
snow-white, pure, 76°-78° C., bgs..lb. No prices
yellow, natural, 76°-78° C., bgs..lb. No prices
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .24 - .25
cakes, cs.....lb. .25 - .26
White lead (see Lead, white).
White pine bark, rossed, bls..lb. .07 - .08
White precipitate, powd., dms., 50 lbs. or more..lb. 2.54 - —
Whiting, chalk, com'l, dry-grd., blp. bgs., c.l., works.ton.16.00 -20.00
l.c.l., works.....ton.18.00 -22.00
bbls., c.l., works.....ton.19.00 -24.00
l.c.l., works.....ton.21.00 -26.00
pap. bgs., c.l., works..ton.15.00 -18.00
l.c.l., works.....ton.17.00 -20.00
wet-grnd., blp. bgs., c.l., works..ton.18.50 -22.50
l.c.l., works.....ton.19.00 -23.00
bbls., c.l., works.....ton.21.00 -25.00
gilders, bolted, blp. bgs., c.l., works..ton.18.00 - —
l.c.l., works.....ton.19.00 - —
bbls., c.l., works.....ton.20.00 -21.00
l.c.l., works.....ton.21.00 -22.00
pap. bgs., c.l., works.ton.17.00 -18.50
l.c.l., works.....ton.18.00 -19.00
extra bolted, blp. bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.21.00 - —
bbls., c.l., works.....ton.22.00 -23.00
l.c.l., works.....ton.23.00 -24.00
pap. bgs., c.l., works..ton.19.00 -20.50
l.c.l., works.....ton.20.00 -21.00
Paris white, blp. bgs., c.l., works, ton.19.00 - —
l.c.l., works.....ton.20.00 - —
bbls., c.l., works.....ton.22.50 -27.50
l.c.l., works.....ton.22.00 -28.00
pap. bgs., c.l., works..ton.19.60 -25.10
l.c.l., works.....ton.20.00 -26.50
Limestone, air-floated, 99.75%, 250 mesh, paper bgs., c.l., same basis..ton.10.10 - —
200 mesh, paper bgs., c.l., same basis..ton. 9.35 - —
90%, 200 mesh, paper bgs., c.l., same basis..ton. 7.00 - —
gilders, bgs. (extra), c.l., works, ton.11.50 - —
l.c.l., 8-20 tons, works..ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra, bgs., c.l., works, ton.12.50 - —
l.c.l., 8-20 tons, works.ton.13.50 - —
4-8 tons, works.....ton.14.50 - —
2-4 tons, works.....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works..ton.20.00 - —
smaller lots, works..ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .07 - .08
rossed, bls.....lb. .05 - .06
thin, natural, bls.....lb. .07 - .08
rossed, green, bls.....lb. .10 - .11
Wild indigo root, bls.....lb. .13 - .14
Witch-hazel extract, dist., NF, tax extra, bbls..gal. .40 - .45
leaves, bls.....lb. .07 - .09
Witherite (see Barium carbonate, natural).
Woodflour, dom., 60 mesh, bgs., c.l., f.o.b. N.Y..ton.24.00 -25.00
80 mesh, same basis.....ton.26.00 -28.00
100 mesh, same basis.....ton.30.00 -32.00
Woodflour, import, 70 mesh, bgs., ex dock..ton. No prices
80 mesh, bgs., ex dock..ton. No prices
100 mesh, bgs., ex dock..ton. No prices
120 mesh, bgs., ex dock..ton. No prices
Wormseed, American, bgs.....lb. .07 - .08
Levant, bgs.....lb. No prices
Wormwood, bls.....lb. .90 - 1.00

X

Xylol (xylene), indus., dms., returnable, works..gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
tanks, W. of Coast, f.o.b. Minneapolis, Colo..gal. .26 - —
10°, dms., returnable, works, gal. .34 - —
tanks, E. of Omaha, frt. alld., gal. .29 - —
5°, dms., returnable, works, gal. .41 - —
tanks, E. of Omaha, frt. alld., gal. .29 - —
3°, dms., returnable, works.gal. .48 - —
tanks, E. of Omaha, frt. alld., gal. .46 - —
Xylidin, mixed, dms.....lb. .35 - .39

Y

Yara yara, cryst., cns.....lb. 1.45 - 1.50
Yellow, arsenic sulphide, dom., bbls., f.o.b. New York..lb. .55 - —
bottles, same basis.....lb. .60 - .64
imp., bbls., same basis.....lb. .55 - —
Cadmium, CP, import., bxs..lb. 1.35 - 1.40
lithopone, all shades, bbls., 1 ton, works, frt. alld..lb. .50 - —
smaller lots, same basis.....lb. .55 - —
kgs., ton lots, same basis.....lb. .55 - —
smaller lots, same basis, lb. .60 - —
Sulphide, orange, cases, works, lb. 1.10 Nom.
Chrome, CP, bbls., dlvd., No. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .13½- —
open order.....lb. .14½- —

Chrome yellow CP prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis, chrome..lb. 1.37 - —
primrose shade, bbls., same basis, chrome..lb. 1.75 - —
Mercury oxide, tech., bbls., 1,000 lbs..lb. 2.57 - —
smaller lots.....lb. 2.59 - —
Ocher, Amer., golden A, bbls., works..lb. .06½- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .05¾- —
yellow A, bbls., works.....lb. .02¾- —
B, bbls., works.....lb. .02½- —
C, bbls., works.....lb. .02 - —
D, bbls., works.....lb. .0195- —
E, bbls., works.....lb. .01775- —
F, bbls., works.....lb. .01½- —
G, bbls., works.....lb. .01½- —
H, bbls., works.....lb. .01¾- —
Yellow, French, all shades, cks., c.l., ex dock, Balto., Boston, N. Orleans for import..lb. .02475 Nom.
New York (f.o.b.)..lb. .02¾ Nom
Philadelphia for import..lb. .02¾ Nom.
San Pedro, San Francisco..lb. .0290 Nom.
l.c.l., ex dock, Balto., Boston, N. Orleans..lb. .02575 Nom.
New York.....lb. .02¾ Nom.
Phila., for import..lb. .02¾ Nom.
Portland, Seattle....lb. .03½ Nom.
San Pedro, S. Francisco..lb. .08 Nom.
ex whse., Balto., Boston, N. Orleans..lb. .02725 Nom.
Indianapolis, Kansas City, Milwaukee, St. Louis..lb. .03¾ Nom.
New York.....lb. .03 Nom.
Pittsburgh .....lb. .03¼ Nom.
Portland, Seattle....lb. .03¾ Nom.
San Pedro, S. Francisco..lb. .03¼ Nom.
f.o.b. N.Y., from dock. lb. .02¾ Nom.
from whse.....lb. .03½ Nom.
oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N. Y. lb. .04¼- —
l.c.l., same basis.....lb. .04¾ —
synth., bbls., c.l., works..lb. .06¼- —
l.c.l., same basis.....lb. .06¾- —
Persian orange (see O).
Zinc, bbls., same basis, chrome CP, contracts..lb. .16 - —
open order.....lb. .16 - —
Navy specifications type, contracts..lb. .16 - —
open order.....lb. .16 - —
Yellow dock root, dom., bls....lb. .17 - .18
Yellow root (xanthoriza), bls..lb. .11 - .13
Yerba santa leaves, bls.....lb. .09 - —
Yohimbine hydrochloride, vis..oz. 3.00 - 3.50

Z

Zein, bgs., 1,000 lbs. or more, works..lb. .20 - —
less than 1,000 lbs., works..lb. .25 - —
Zinc acetate, tech., bbls., dlvd., lb. .15 - .16
USP, bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenite, bgs., c.l., dealers, E. of Rockies..lb. .12 - —
l.c.l., bgs.....lb. .12½- —
Zinc arsenite prices are on a frt. alld. basis to dest., in lots of 96 lbs. or over.
Carbonate, tech., bbls.....lb. .14 - .16
USP, precip., powd., bbls..lb. .32½- —
25-lb. dms.....lb. .37½- —
kgs. .....lb. .34½- —
Chloride, tech., fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - —
gran., dms., c.l., works, 100 lbs. 5.00 - —
USP, 100-lb. dms.....lb. .30 - .31
25-lb. jars.....lb. .36 - —
Zinc, chloride, solut., 50%, dms., c.l., works..lb. .0200- —
l.c.l., works.....lb. .04 - .04¼
tanks, works.....lb. .0225- —
Cyanide, kgs., works.....lb. .33 - .35
Dust, bbls., c.l., dlvd.....lb. .09½- —
l.c.l., bbls., dlvd.....lb. .09¾- —
Iodide, N. F., bots.....lb. 4.54 - —
jars .....lb. 4.40 - —
Fluoride, bbls.....lb. .20 - .25
Metal (see daily quotations in Market report.)
Oxide, pigment, dom., Amer. process, coml., lead free, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
bbls., c.l., dlvd...lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .07 - —
ex whse., Pac. cst..lb. .07 - —
leaded, 5%, bgs., c.l., dlvd. lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
bbls., c.l., dlvd...lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
35%, bgs., c.l., dlvd.....lb. .06 - —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst..lb. .06¼- —
bbls., c.l., dlvd...lb. .06¼- —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst..lb. .06¼- —
50%, bgs., c.l., dlvd., except Pac. cst..lb. .06 - —
Pac. cst..lb. .0606- —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst..lb. .06¼- —
bbls., c.l., dlvd., except Pac. cst..lb. .06¼- —
French process, com'l, lead free, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
bbls., c.l., dlvd...lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .07 - —
ex whse., Pac. cst..lb. .07 - —
green seal, bgs., c.l., dlvd., lb. .06¼- —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
l.c.l., ex whse., Pac. cst., lb. .06½- —
bbls., c.l., dlvd..lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
red seal, bgs., c.l., dlvd..lb. .07¾- —
l.c.l., dlvd., except Pac. cst..lb. .08 - —
ex whse., Pac. cst..lb. .08 - —
bbls., c.l., dlvd..lb. .08 - —
l.c.l., dlvd., except Pac. cst..lb. .08¼- —
ex whse., Pac. cst..lb. .08¼- —
white seal, bgs., c.l., dlvd. lb. .08¾- —
l.c.l., dlvd., except Pac. cst..lb. .09 - —
ex whse., Pac. cst..lb. .09 - —
bbls., c.l., dlvd..lb. .09 - —
bbls., c.l., dlvd., except Pac. cst..lb. .09½- —
ex whse., Pac. cst..lb. .09¼- —
imported, gold seal, cks., ex whse..lb. No prices
green seal, bbls., ex whse. lb. No prices
white seal, cks., ex whse..lb. No prices
USP, l.c.l., 50-lb. ctns , 50-lb. dms..lb. .10 - —
Palmitate, bbls.....lb. .24½- .27½
Resinate, fused, pale, bbls..lb. .10 - —
precip., dms., dlvd.....lb. .15 - —
Stearate, tech., precip., bbls., ctns., c.l..lb. .22 - —
l.c.l., 1 ton.....lb. .23 - —
1,000-2,000 lbs.....lb. .24 - —
less than 1,000 lbs..lb. .25 - —
USP, bbls.....lb. .25 - .27
Sulphate, cryst., bgs., c.l..... 100 lbs. 3.00 - —
l.c.l. .....100 lbs. 3.75 - —
bbls., c.l.....100 lbs. 3.15 - —
l.c.l .....100 lbs. 3.90 - —
flake, bgs., c.l.....100 lbs. 3.35 - —
l.c.l. .....100 lbs. 4.10 - —
bbls., c.l.....100 lbs. 3.50 - —
l.c.l .....100 lbs. 4.25 - —
powd., bgs., c.l.....100 lbs. 4.70 - —
l.c.l. .....100 lbs. 5.45 - —
bbls., c.l.....100 lbs. 4.85 - —
l.c.l. .....100 lbs. 5.60 - —
Sulphide, bgs., c.l. (20 tons), dlvd..lb. .07¾- —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .08 - —
bbls., c.l., 20 bbls., c.l. (20 tons), dlvd..lb. .08 - —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .08¼- —
barium, pigment, bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .05½- —
calcium pigment, bgs., c.l., dlvd..lb. .05¼- —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .05½- —
magnesium, pigment, bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .05¾- —
Sulphocarbolate, NF, bbls., dms..lb. .24 - .29
Zinc-ammonia chloride, dms., c.l., woks..100 lbs. 5.15 - —
l.c.l., works.....100 lbs 6.35 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd., except Pac. cst..lb. .05¾- —
ex whse., Pac. cst..lb. .05¾- —
Zirconium nitrate, kgs., works.lb. 3.00 - 4.00
Oxide, crude, 70-75%, gr., bbls., works..ton75.00 -100.00
white, 98%, grd., kgs., works, lb. 1.80 - 2.00

Synthetic Resins
and other
Branded Paint Materials
(Manufacturers' List Prices)

A

Abalyn (methyl abietate), c.l., dms., f.o.b. cars, destination, lb. .07½- —
l.c.l., lots of 10 dms., same basis..lb. .08¾- —
single dms., same basis....lb. .09¾- —
smaller lots, f.o.b. Hercules, Del..lb. .14¾- —

Aroclors, distilled, dms., c.l., works..lb. .23 - —
ton lots, works.....lb. .25 - —
single dms., works.....lb. .27 - —
undistilled, dms., c.l., works, lb. .18 - —
ton lots, works.....lb. .20 - —
single dms., works.....lb. .22 - —

B

Bakelite, alkyd resins, BR, 10025, bbls., 30,000 lbs., works lb. .28 - —
15,000 lbs., works.....lb. .28½- —
5,000 lbs., works.....lb. .29 - —
XR, 10024, bbls., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works.....lb. .45½- —
5,000 lbs., works.....lb. .46 - —
carbic anhydride base, oil modified, BR, 13630, 30,000 lbs., works..lb. .27 - —
15,000 lbs., works.....lb. .27½- —
5,000 lbs., works.....lb. .28 - —
14590, 30,000 lbs., works....lb. .26 - —
15,000 lbs., works.....lb. .26½- —
5,000 lbs., works.....lb. .27 - —
resin modified, BR, 13202, 30,000 lbs., works.....lb. .15 - —
15,000 lbs., works.....lb. .15½- —
5,000 lbs., works.....lb. .16 - —
dispersion resin, BK, 2902 dms., 30,000 lbs., works.....lb. .2490- —
15,000 lbs., works.....lb. .2540- —
5,000 lbs., works.....lb. .2590- —
6791, dms., 30,000 lbs., works, lb. .2540- —
15,000 lbs., works.....lb. .2590- —
5,000 lbs., works.....lb. .2640- —
14504, dms., 30,000 lbs., works, lb. .28 - —
15,000 lbs., works.....lb. .28½- —
5,000 lbs., works.....lb. .29 - —
lacquer, BR, 2342, dms., 30,000 lbs., works..lb. .27 - —
15,000 lbs., works.....lb. .27½- —
5,000 lbs., works.....lb. .28 - —
XJ, 10433, dms., 30,000 lbs., works..lb. .37 - —
15,000 lbs., works.....lb. .37½- —
5,000 lbs., works.....lb. .38 - —
XR, 3180, dms., 30,000 lbs., lb. .45 - —
15,000 lbs., works.....lb. .45½- —
5,000 lbs., works.....lb. .46 - —
4357, dms., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works.....lb. .45½- —
5,000 lbs., works.....lb. .46 - —
phenolic, 100%, BR, 254, bbls, 30,000 lbs., works..lb. .42 - —
15,000 lbs., works.....lb. .42½- —
5,000 lbs., works.....lb. .43 - —
3360, bbls., 30,000 lbs., works..lb. .36 - —
15,000 lbs., works.....lb. .36½- —
5,000 lbs., works.....lb. .37 - —
4036, bbls., 30,000 lbs., works..lb. .37 - —
15,000 lbs., works.....lb. .37½- —
5,000 lbs., works.....lb. .38 - —
6852, bbls., 30,000 lbs., works..lb. .40 - —
15,000 lbs., works.....lb. .40½- —
5,000 lbs., works.....lb. .41 - —
8000, bbls., 30,000 lbs., works..lb. .39 - —
15,000 lbs., works.....lb. .39½- —
5,000 lbs., works.....lb. .40 - —
9482, bbls., 30,000 lbs., works..lb. .29 - —
15,000 lbs., works.....lb. .29½- —
5,000 lbs., works.....lb. .30 - —
9484, bbls., 30,000 lbs., works..lb. .20 - —
15,000 lbs., works.....lb. .20½- —
5,000 lbs., works.....lb. .21 - —
10282, bbls., 30,000 lbs., works..lb. .32 - —
15,000 lbs., works.....lb. .32½- —
5,000 lbs., works.....lb. .33 - —
13465, bbls., 30,000 lbs., works..lb. .19½- —
15,000 lbs., works.....lb. .20½- —
5,000 lbs., works.....lb. .20½- —
14684, bbls., 30,000 lbs., works..lb. .30 - —
15,000 lbs., works.....lb. .30½- —
5,000 lbs., works.....lb. .31 - —
XR, 9517, bbls., 30,000 lbs., works..lb. .29 - —
15,000 lbs., works.....lb. .29½- —
5,000 lbs., works.....lb. .30 - —
modified oil, BR, 302, bbls., 30,000 lbs., works..lb. .2870- —
15,000 lbs., works.....lb. .2920- —
5,000 lbs., works.....lb. .2970- —
2175, bbls., 30,000 lbs., works..lb. .2810- —
15,000 lbs., works.....lb. .2860- —
5,000 lbs., works.....lb. .2910- —
resin, BR, 2072, bbls., 30,000 lbs., works..lb. .23 - —
15,000 lbs., works.....lb. .23½- —
5,000 lbs., works.....lb. .24 - —
2963, bbls., 30,000 lbs., works..lb. .22 - —
15,000 lbs., works.....lb. .22½- —
5,000 lbs., works.....lb. .23 - —
9866, bbls., 30,000 lbs., works..lb. .18½- —
15,000 lbs., works...lb. .19 - —
5,000 lbs., works...lb. .19½- —
11504, bbls., 30,000 lbs., works..lb. .18 - —
15,000 lbs., works.....lb. .18½- —
5,000 lbs., works.....lb. .19 - —
11544, bbls., 30,000 lbs., works..lb. .18 - —
15,000 lbs., works.....lb. .18½- —
5,000 lbs., works.....lb. .19 - —
solutions, XJ, 180, dms., 30,000 lbs., works..lb. .1970- —
15,000 lbs., works.....lb. .2020- —
5,000 lbs., works.....lb. .2070- —
2681, dms., 30,000 lbs., works..lb. .2520- —
15,000 lbs., works.....lb. .2570- —
5,000 lbs., works.....lb. .2620- —
13574, bbls., 30,000 lbs., works..lb. .30 - —
15,000 lbs., works.....lb. .30½- —
5,000 lbs., works.....lb. .31 - —

Beckacite, modified phenolic, 1100, dms., 1-9, frt. pd..lb. .14½- —
1101, dms., 1-9, frt. pd.....lb. .13 - —
1102, dms., 1-9, frt. pd.....lb. .12½- —
1106, dms., 1-9, frt. pd.....lb. .14 - —
1107, dms., 1-9, frt. pd.....lb. .13 - —
1108, dms., 1-9 frt. pd.....lb. .11 - —
1112, dms., 1-9, frt. pd.....lb. .14½- —
1113, dms., 1-9, frt. pd.....lb. .12 - —
1116, dms., 1-9, frt. pd.....lb. .14½- —
P-146, dms., 1-9, frt. pd....lb. .11½- —
P-147, dms., 1-9, frt. pd....lb. .13 - —
1121, dms., 1-9, frt. pd.....lb. .17½- —
1122, dms., 1-9, frt. pd.....lb. .14½- —
1123, dms., 1-9, frt. pd.....lb. .14½- —
1124, dms., 1-9 frt. pd.....lb. .15½- —
nonphenolic, 1110, dms., 1-9, frt. pd..lb. .14 - —
1111, dms., 1-9, frt. pd.....lb. .14 - —
1114, dms., 1-9, frt. pd.....lb. .14 - —
1120, dms., 1-9, frt. pd.....lb. .14 - —

Beckacite prices in lots of 10 dms., or more are ½c. per lb. less than above; in carloads, 1c. per lb. less. These prices apply in N. E. and Mid-Atl. States, Ill., Ind., Ky., Mich., Minn., N. C., Ohio, Va., W. Va., Wis., and St. Louis, Mo.; add ¾c. per lb. on less than carloads and ½c. per lb. on carloads to Ark., Iowa, Kan., Mo. (except St. Louis), Neb., N. D., Okla., S. D., all South. States, and Dallas and Houston, Tex.; for Calif. add ¾c. per lb. on less than carloads and ½c. per lb. on carloads of regular items covered by contract, on items not shown in this list and items not covered by contract which must be shipped direct from Detroit, Mich., or Elizabeth, N. J., add 2c. per lb. on less than carloads and 1c. per lb. on carloads; carload prices listed above apply on shipments by water from Elizabeth, N. J., ex dock at Los Angeles, San Francisco, or Seattle; add 2c. per lb. on less than carloads and 1c. per lb. on carloads to Tex. (except Dallas and Houston) and all other points in the U. S. not mentioned in the foregoing.

Beckamine, 8440, ex. lt., dms., 1-9, frt. pd..lb. .22½- —
P-2, dms., 1-9, frt. pd.....lb. .12 - —
P-138, dms., 1-9, frt. pd.....lb. .21½- —
P-196, dms., 1-9, frt. pd.....lb. .24 - —
P-198, dms., 1-9, frt. pd.....lb. .36 - —

Beckamine prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

Beckolin, No. 17, dark, dms., 1-9, frt. pd..lb. .17½- —
No. 27, light, dms., 1-9, frt. pd., lb. .19½- —

Beckolin prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

Beckopol, 1400, dms., 1-9, frt. pd..lb. .17½- —

Beckopol prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

Beckosol, emulsion, 1500, dms., 1-9, frt. pd..lb. .13 - —
1501, dms., 1-9, frt. pd.....lb. .14 - —
Solid, 1, dms., 1-9, frt. pd...lb. .28 - —
3, dms., 1-9, frt. pd.....lb. .25 - —
7, dms., 1-9, frt. pd.....lb. .25 - —
13, dms., 1-9, frt. pd.....lb. .25 - —
18, dms., 1-9, frt. pd.....lb. .24 - —
19, dms., 1-9, frt. pd.....lb. .28 - —
23, dms., 1-9, frt. pd.....lb. .28 - —
24, dms., 1-9, frt. pd.....lb. .31 - —
31, dms., 1-9, frt. pd.....lb. .25 - —
32, dms., 1-9, frt. pd.....lb. .24 - —
40, dms., 1-9, frt. pd.....lb. .20½- —
Solution, nonphenolic, 1309, dms., 1-9, frt. pd..lb. .18½- —
1319, dms., 1-9, frt. pd..lb. .19½- —
1321, dms., 1-9, frt. pd..lb. .17½- —
1940, dms., 1-9, frt. pd..lb. .10½- —
1941, dms., 1-9, frt. pd..lb. .10½- —
phenol modified, 1303, dms., 1-9, frt. pd..lb. .14½- —
1304, dms., 1-9, frt. pd..lb. .14½- —
1320, dms., 1-9, frt. pd..lb. .15 - —
1325, dms., 1-9, frt. pd..lb. .14½- —
1328, dms., 1-9, frt. pd..lb. .13½- —
1329, dms., 1-9, frt. pd..lb. .12 - —
wrintex, dms., 1-9, frt. pd. lb. .16 - —
phenol modified and oil extended, 1, dms., 1-9, frt. pd..lb. .15½- —
2, dms., 1-9, frt. pd.....lb. .15 - —
1316, dms., 1-9, frt. pd..lb. .16½- —
1326, dms., 1-9, frt. pd..lb. .16½- —
P-239, dms., 1-9, frt. pd..lb. .12½- —
Beckosol, solution, phenol, pure, alkyd, 1306, dms., 1-9 frt. pd..lb. .14 - —
1307, ex. lt., dms., 1-9, frt. pd..lb. .15½- —
light, dms., 1-9, frt. pd.lb. .14½- —
1308, dms., 1-9, frt. pd...lb. .15½- —
1313, ex. lt., dms., 1-9, frt. pd..lb. .14½- —
light, dms., 1-9, frt. pd.lb. .13½- —
1318, dms., 1-9, frt. pd...lb. .18½- —
1323, ex. lt., dms., 1-9, frt. pd..lb. .15½- —
light, dms., 1-9, frt. pd.lb. .14½- —
1324, dms., 1-9, frt. pd...lb. .25½- —
1331, dms., 1-9, frt. pd...lb. .13½- —
1332, dms., 1-9, frt. pd...lb. .12½- —
1333, dms., 1-9, frt. pd...lb. .15½- —
1334, dms., 1-9, frt. pd...lb. .14½- —
P-7, dms., 1-9, frt. pd...lb. .15½- —
P-18, dms., 1-9, frt. pd...lb. .13½- —
P-94, dms., 1-9, frt. pd...lb. .16½- —
P-236, dms., 1-9, frt. pd..lb. .14 - —
P-238, dms., 1-9, frt. pd..lb. .18½- —
P-270, dms., 1-9, frt. pd..lb. .14½- —

Beckosol, solid, prices in lots of 10 dms. or more are ¾c. per lb. less than above; in carloads, 1½c. per lb. less, prices of other Beckosols are ½c. per lb. less in lots of 10 dms. or more, 1c. per lb. less in carloads; all are subject to the same geographical differentials as Beckacite.

C

Copene resin, dms., works.....lb. .20 - —
Cumar, AX, dms., works.....lb. .06 - —
BX, dms., works.....lb. .06 - —
CX, dms., gross weight, works, lb. .05 - —
DX, dms., gross weight, works, lb. .04½- —
EX, dms., gross weight, works, lb. .04½- —
FX, dms., gross weight, works, lb. .05 - —
MH col. 1, dms, works.....lb. .11 - —
1½-2, dms., works.....lb. .10 - —
2½-3½, dms., works.....lb. .09 - —
9, dms. works.....lb. .06 - —
M.S., dms., works.....lb. .10 - —
P 10°-90° C., col. 2½ and darker, dms., works..lb. .10 - —
RH, dms., works.....lb. .10 - —
R.S., dms., works.....lb. .10 - —
Special soft, dms., works....lb. .10 - —
V, col. ½, dms., works.....lb. .12 - —
1, dms., works.....lb. .11 - —
1½-2, dms., works.....lb. .10 - —
2½ and darker, dms., works, lb. .09 - —
Cumar, W. col. ½, dms., works, lb. .13 - —
1, dms., works.....lb. .12 - —
1½-2, dms., works.....lb. .11 - —
2½ and darker, dms., works, lb. .10 - —

Cumar prices includes frt. equald., with Pittsburgh; prices on contracts are ½c. per pound lower.

D

Durite, 1,301, pale, one drum and over..lb. .25 - —
smaller lots.....lb. .26 - —
1,321, c.l.....lb. .40 - —
2,000 lbs. to c.l.....lb. .41 - —
smaller lots.....lb. .42 - —

All Durite prices are f.o.b. Phila., Pa., with freight allowed east of Rocky Mts.

E

Esterol, alkyd solution, A, c.l., dlvd..lb. .13½- —
10 dms. or more, dlvd....lb. .14 - —
9 dms. or less, dlvd....lb. .14½- —
B, c.l., dlvd.....lb. .12½- —
10 dms. or more, dlvd....lb. .13 - —
9 dms. or less, dlvd....lb. .13½- —
E, c.l., dlvd.....lb. .13½- —
10 dms. or more, dlvd....lb. .14 - —
9 dms. or less, dlvd....lb. .14½- —
H-1, c.l., dlvd.....lb. .16 - —
10 dms. or more, dlvd....lb. .16½- —
9 dms. or less, dlvd....lb. .17 - —
PV, c.l., dlvd.....lb. .14½- —
10 dms. or more, dlvd....lb. .14¾- —
9 dms. or less, dlvd....lb. .15¼- —
11, c.l., dlvd.....lb. .13 - —
10 dms. or more, dlvd....lb. .13½- —
9 dms. or less, dlvd....lb. .14 - —
22, c.l., dlvd.....lb. .10½- —
10 dms. or more, dlvd....lb. .11 - —
9 dms. or less, dlvd....lb. .11½- —
22-B, c.l., dlvd.....lb. .09 - —
10 dms. or more, dlvd....lb. .09½- —
9 dms. or less, dlvd....lb. .10 - —
33, c.l., dlvd.....lb. .13½- —
10 dms. or more, dlvd....lb. .14 - —
9 dms. or less, dlvd....lb. .14½- —
44, c.l., dlvd.....lb. .12½- —
10 dms. or more, dlvd....lb. .13 - —
9 dms. or less, dlvd....lb. .13½- —
44-B, c.l., dlvd.....lb. .12 - —
10 dms. or more, dlvd....lb. .12½- —
9 dms. or less, dlvd....lb. .13 - —
55, c.l., dlvd.....lb. .13½- —
10 dms. or more, dlvd....lb. .14 - —
9 dms. or less, dlvd....lb. .14½- —
562, c.l., dlvd.....lb. .14 - —
10 dms. or more, dlvd....lb. .14½- —
9 dms. or less, dlvd....lb. .15 - —
640-N, c.l., dlvd.....lb. .13 - —
10 dms. or more, dlvd....lb. .13½- —
9 dms. or less, dlvd....lb. .14 - —
660-N, c.l., dlvd.....lb. .12½- —
10 dms. or more, dlvd....lb. .13 - —
9 dms. or less, dlvd....lb. .13½- —
750, c.l., dlvd.....lb. .14½- —
10 dms. or more, dlvd....lb. .14¾- —
9 dms. or less, dlvd....lb. .15¼- —
830, c.l., dlvd.....lb. .14½- —
10 dms. or more, dlvd....lb. .15 - —
9 dms. or less, dlvd....lb. .15½- —
1800, c.l., dlvd.....lb. .12¾- —
10 dms. or more, dlvd....lb. .12¾- —
9 dms. or less, dlvd....lb. .13¼- —
1825, c.l., dlvd.....lb. .15 - —
10 dms. or more, dlvd....lb. .15½- —
9 dms. or less, dlvd....lb. .16 - —
2185, c.l., dlvd.....lb. .12½- —
10 dms. or more, dlvd....lb. .13 - —
9 dms. or less, dlvd....lb. .13½- —
2195, c.l., dlvd.....lb. .13½- —
10 dms. or more, dlvd....lb. .14 - —
9 dms. or less, dlvd....lb. .14½- —
2600, c.l., dlvd.....lb. .16 - —
10 dms. or more, dlvd....lb. .16½- —
9 dms. or less, dlvd....lb. .17 - —
2633, c.l., dlvd.....lb. .12½- —
10 dms. or more, dlvd....lb. .13 - —
9 dms. or less, dlvd....lb. .13½- —
2728, c.l., dlvd.....lb. .13 - —
10 dms. or more, dlvd....lb. .13½- —
9 dms. or less, dlvd....lb. .14 - —
2775-BS, c.l., dlvd.....lb. .11½- —
10 dms. or more, dlvd....lb. .12 - —
9 dms. or less, dlvd....lb. .12½- —

F

Flexalyn solution, dms., c.l., f.o.b. cars, destination..lb. .12½- —
l.c.l., 10 dms., same basis..lb. .13¼- —
single dms., same basis..lb. .14¾- —
smaller lots, f.o.b. Hercules, Del..lb. .19¾- —

G

G, resin, dms., gross weight, works..lb. .07½- —

G resin prices on contracts terminating Dec., 1941, are ¼c. per pound lower; Los Angeles and San Francisco ex warehouse, 3c. per pound extra.

2633, c.l., dlvd.....lb. .11½- —
Guai-a-phene, 10-gal. cns., works, gal. 2.57 - —
5-gal. cns., works.....gal. 2.62 - —
1-gal. cns., works.....gal. 2.82 - —
dms., works.....gal. 2.50 - —

H

Hercolyn (hydrogenated methyl abietate), dms., c.l., f.o.b. cars, destination..lb. .11½- —
l.c.l., lots of 10, same basis, lb. .12¾- —
single dms., same basis...lb. .13¾- —
smaller lots, f.o.b. Hercules, Del..lb. .18¾- —
Hydrogum, P-190, c.l., dms., frt. pd..lb. .12 - —
l.c.l., 10 dms., frt. pd.....lb. .12½- —
1-9 dms., frt. pd.....lb. .13 - —

Hydrogum prices are subject to the same geographical differentials as Beckacite.

J

Jozite (see zinc-iron oxide pigment in regular price list above).

K

Kadox (zinc oxide), black or red label, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd. E. of Rockies.lb. .06¾- —
Pac. coast, ex whse.....lb. .06¾- —
bbls., c.l., dlvd.....lb. .06¾- —
l.c.l., dlvd. E. of Rockies.lb. .07 - —
Pac. coast, ex whse.....lb. .07 - —
No. 25, bgs., c.l., dlvd.....lb. .07¾- —
l.c.l., dlvd. E. of Rockies, lb. .08 - —
Pac. coast, ex whse.....lb. .08 - —
bbls., c.l., dlvd.....lb. .08 - —
l.c.l., dlvd. E. of Rockies, lb. .08¼- —
Pac. coast, ex whse....lb. .08¼- —

Abalyn—Neville Resin

Katalised oil, 666, dms., c.l., frt. pd..lb. .24½- —
l.c.l., frt. pd.....lb. .24 - —

Katalised oil prices are subject to the same geographical differentials as Beckacite.

Kopol, 500, dms., 1-9, frt. pd..lb. .18½- —
501, dms., 1-9, frt .pd.....lb. .16½- —
502, dms., 1-9, frt. pd.....lb. .15 - —

Kopol prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

R-C copal, cracked nut, dms., c.l., frt. pd..lb. .12 - —
l.c.l., frt. pd.....lb. .12½- —

R-C copal prices are subject to the same geographical differentials as Beckacite.

Krumbhaar, maleic, 404, dms., single shpt., 10,000 lbs. lb. .13 - —
2,500 to 9,999 lbs.....lb. .13½- —
1 to 2,499 lbs.....lb. .14 - —
414, dms., single shpt., 10,000 lbs..lb. .13 - —
2,500 to 9,999 lbs.....lb. .13½- —
1 to 2,499 lbs.....lb. .14 - —
phenolic, modified, 202, dms., c.l..lb. .14 - —
l.c.l., 10-40 dms.....lb. .14½- —
1-9 dms.....lb. .15 - —
505, dms., c.l.....lb. .14 - —
l.c.l., 10-40 dms.....lb. .14½- —
1-9, dms.....lb. .15 - —
606, dms., c.l.....lb. .15½- —
l.c.l., 10-40 dms.....lb. .16 - —
1-9 dms.....lb. .16½- —
707, dms., c.l.....lb. .14 - —
l.c.l., 10-40 dms.....lb. .14½- —
1-9 dms.....lb. .15 - —

L

Lewisol resin, modified alkyd, No. 1, c.l., dlvd..lb. .13 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .13½- —
smaller quantities, dlvd.lb. .14 - —
No. 2, c.l., dlvd.....lb. .13 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .13½- —
smaller quantities, dlvd.lb. .14 - —
No. 2L, c.l., dlvd.....lb. .13 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .13½- —
smaller quantities, dlvd.lb. .14 - —
No. 3, c.l., dlvd.....lb. .16½- —
l.c.l., 10 dms., dlvd.....lb. .17½- —
1-9 dms., dlvd.....lb. .18½- —
No. 18, c.l., dlvd.....lb. .13 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .13½- —
smaller quantities, dlvd.lb. .14 - —
No. 24, c.l., dlvd.....lb. .13 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .13½- —
smaller quantities, dlvd.lb. .14 - —
No. 28, c.l., dlvd.....lb. .13 - —
l.c.l., dms., dlvd.....lb. .13½- —
1-7 dms., dlvd.....lb. .14 - —
No. 33, c.l., dlvd.....lb. .13 - —
l.c.l., 8 dms., dlvd.....lb. .13½- —
1-7 dms., dlvd.....lb. .14 - —
modified phenolics, No. 101, c.l., dlvd..lb. .17½- —
l.c.l., 8 dms., dlvd.....lb. .18 - —
1-7 dms., dlvd.....lb. .18½- —
No. 115, c.l., dlvd.....lb. .10½- —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .11 - —
smaller quantities, dlvd.lb. .11½- —
No. 120, c.l., dlvd.....lb. .12 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .12½- —
smaller quantities, dlvd.lb. .13 - —
No. 125, c.l., dlvd.....lb. .11 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .11½- —
smaller quantities, dlvd.lb. .12 - —
No. 150, c.l., dlvd.....lb. .13½- —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .14 - —
smaller quantities, dlvd.lb. .14½- —
No. 300, c.l., dlvd.....lb. .30 - —
l.c.l., 8 dms., dlvd.....lb. .30½- —
1-7 dms., dlvd.....lb. .31 - —
No. 305, c.l., dlvd.....lb. .11 - —
l.c.l., 8 dms., dlvd.....lb. .11½- —
1-7 dms., dlvd.....lb. .12 - —
No. 310, c.l., dlvd.....lb. .13½- —
l.c.l., 8 dms., dlvd.....lb. .14 - —
1-7 dms., dlvd.....lb. .14½- —
No. 320, c.l., dlvd.....lb. .13 - —
l.c.l., 8 dms., dlvd.....lb. .13½- —
1-7 dms., dlvd.....lb. .14 - —

N

Neo-Fat drying oil, 17 T.G., dms., c.l., dlvd..lb. .13½- —
19 T.G., dms., c.l, dlvd....lb. .19½- —
19 f.G. boiled, dms., c.l., dlvd..lb. .20¾- —
fatty acids, 5R, dms., c.l., dlvd. lb. .11 - —
17, dms., c.l., dlvd.....lb. .13½- —
19, dms., c.l., dlvd.....lb. .19½- —
23, dms., c.l., dlvd.....lb. .17 - —

Neo-fat prices are ¼c. per lb. higher in Texas, ¾c. higher on Pacific Coast.

Neviliac, pale, hard, dms., works, lb. .13 - —
hard, 85-95° C, dms., works..lb. .11 - —
soft, 65-75°C. dms., works..lb. .11 - —

Neviliac prices on contracts terminating Dec., 1941, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per pound extra.

Neville resin, R-1 nevindene, col. ½, dms., works..lb. .13 - —
R-3, nevindene, col. 1, dms., works..lb. .12 - —
R-5, nevindene, col. 1½-2, dms., works..lb. .11 - —
R-6, nevindene, col. 2½-3½, dms., works..lb. .10 - —
R-7, N.P.S., col. below 3, dms., works..lb. .12 - —
R-8, N.P.S., col. below 3, dms., works..lb. .12½- —
R-9, hard, col. ½, dms., works..lb. .12 - —
R-10, hard, col. 1, dms., works..lb. .11 - —
R-11, hard, col. 1½-2, dms., works..lb. .10 - —
R-12, hard, col. 2½-3½, dms., works..lb. .09 - —
R-13, medium, col. ½, dms., works..lb. .12 - —
R-14, medium, col. 1, dms., works..lb. .11 - —
R-15, medium, col. 1½-2 dms., works..lb. .10 - —
R-16, medium, col. 2½-4, dms., works..lb. .09 - —

Neville Resin—Syntex

Neville resin, R-16-A, medium, col. 7-10, dms., works..lb. .06 - —
R-17, medium soft, col. 3½-8, dms., works..lb. .10 - —
R-19, medium soft, col. 3½-8, dms., works..lb. .10 - —
R-21, soft, col. 3½-8, dms., works..lb. .10 - —
R-22, special, soft, col. 3½-8, dms., works..lb. .10 - —
R-27, medium, soft, col. 1, dms., works..lb. .12½- —
R-28, medium soft, col. 1½-2, dms., works..lb. .11½- —
R-29, medium soft, col. 2½-8, dms., works..lb. .10 - —
465, 110-125° C., dms., gross weight, f.o.b. Pittsburgh..lb. .08 - —

Neville resin prices, except 465 resin, are freight equalized with Phila.; prices on contracts terminating Dec., 1941, are ½c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per pound extra. Less then full drum shipments are 5c. per pound additional, f.o.b. Neville Island, Pa.

Nevillite, "V," water-white, 100-lb. dms., works..lb. 1.25 - —
No. 4, very light straw, 100-lb. dms., works..lb. .42 - —
No. 123, water-white, 100-lb. dms., works..lb. .50 - —
oil, dms., works.....lb. 1.40 - —
Nevinol, dms. works.....lb. .13 - —
oil, heavy, rfd., dms., works, lb. .10 - —
Notol, tanks, f.o.b. Pittsburgh, gal. .23½- —
dms., returnable .....gal. .29 - —
Nuba, 1, 80-95°C., dms., gross weight, works..lb. .0265- —
2, 100-125°C., dms., gross weight, works..lb. .0265- —
3x, 135-150°C., dms., gross weight, works..lb. .04 - —

Nuba resin prices on contracts terminating December, 1941, are ½c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per pound extra.

Nuodex drier, cobalt, 6%, 400-lb. pkgs..lb. .28½- —
11½%, 100-lb. pkgs.....lb. .52 - —
cobalt acetate, 100-lb. pkgs., lb. .80½- —
iron, 6%, 400-lb. pkgs.....lb. .13½- —
11%, 100-lb. pkgs.....lb. .23 - —
lead, 24%, 450-lb. pkgs.....lb. .12½- .13⅛
32%, 450-lb. pkgs.....lb. .16 - —
34%, 100-lb. pkgs.....lb. .16¾- —
40%, 100-lb. pkgs.....lb. .19¾- —
lead 30%, cobalt 3%, 150-lb. pkgs..lb. .28¼- —
lead 30%, manganese 3%, 150-lb. pkgs..lb. .21 - —
manganese, 6%, 400-lb. pkgs..lb .13 - .14
10½%, 100-lb. pkgs.. lb. .21¾-
zinc 8%, 400 lb. pkgs .. -
10%, 400-lb. pkgs.....lb. .17 - —
14%, 100-lb. pkgs.....lb. .23¼- —
Nuodite, cobalt, 18%, 100-lb. pkgs., lb. .71½- —
lead, 64%, 100-lb. pkgs.....lb. .23 - —
manganese, 6%, 400-lb. pkgs., lb. .13 - .14

All prices are f.o.b. customers' plants, East of Denver.

Nypene resin, dms., c.l., works, lb. .16 - —
l.c.l. .....lb. .16½- —

P

Paradene, No. 1, 75-90°C., dms., gross wt., works..lb. .04½- —
2, 100-124°C., dms., gross wt., works..lb. .04½- —

Paradene prices on contract, terminating Dec., 1941, are ½c. lower; prices are freight equalized with Philadelphia, Pa.

Paradura resin, grade AV, c.l., dlvd..lb. .25 - —
10 pkgs. or more, dlvd.....lb. .26 - —
9 pkgs. or less, dlvd.....lb. .27 - —
C, c.l., dlvd.....lb. .29½- —
10 pkgs or more, dlvd.....lb. .30½- —
9 pkgs. or less, dlvd.....lb. .31½- —
10-F, c.l., dlvd.....lb. .32 - —
10 pkgs. or more, dlvd.....lb. .33 - —
9 pkgs. or less, dlvd.....lb. .34 - —
46, c.l., dlvd.....lb. .21½- —
10 pkgs. or more, dlvd.....lb. .22½- —
9 pkgs. or less dlvd.....lb. .23½- —
273, c.l., dlvd.....lb. .23 - —
10 pkgs. or more, dlvd.....lb. .24 - —
9 pkgs. or less, dlvd.....lb. .25 - —
367, c.l., dlvd.....lb. .32 - —
10 pkgs. or more, dlvd.....lb. .33 - —
9 pkgs. or less, dlvd.....lb. .34 - —
540, c.l., dlvd.....lb. .32 - —
10 pkgs. or more, dlvd.....lb. .33 - —
9 pkgs. or less, dlvd.....lb. .34 - —
Paranol resin, extra hard, No. 1, c.l., dlvd..lb. .14½- —
10 pkgs. or more, dlvd.....lb. .15 - —
9 pkgs. or less, dlvd.....lb. .15½- —
Extra hard, No. 3, c.l., dlvd..lb. .13½- —
10 pkgs. or more, dlvd.....lb. .14 - —
9 pkgs. or less, dlvd.....lb. .14½- —
Hard, No. 1, c.l., dlvd.....lb. .12½- —
10 pkgs. or more, dlvd.....lb. .13 - —
9 pkgs. or less, dlvd.....lb. .13½- —
Hard, No. 3, c.l., dlvd.....lb. .11½- —
10 pkgs. or more, dlvd.....lb. .12 - —
9 pkgs. or less, dlvd.....lb. .12½- —
25, c.l., dlvd.....lb. .11½- —
10 pkgs. or more, dlvd.....lb. .12 - —
9 pkgs. or less; dlvd.....lb. .12½- —
25, light, c.l., dlvd.....lb. .12 - —
10 pkgs. or more, dlvd.....lb. .12½- —
9 pkgs. or less, dlvd.....lb. .13 - —
54-E, c.l., dlvd.....lb. .13 - —
10 pkgs. or more, dlvd.....lb. .13½- —
9 pkgs. or less, dlvd.....lb. .14 - —
100, c.l., dlvd.....lb. .15½- —
10 pkgs. or more, dlvd.....lb. .16 - —
9 pkgs. or less, dlvd.....lb. .16½- —
105-B, extra light, c.l., dlvd..lb. .11½- —
10 pkgs., or more, dlvd.....lb. .12 - —
9 pkgs. or less, dlvd.....lb. .12½- —
200, c.l., dlvd.....lb. .16 - —
10 pkgs. or more, dlvd.....lb. .16½- —
9 pkgs. or less, dlvd.....lb. .17 - —
500, hard, c.l., dlvd.....lb. .13½- —
10 pkgs. or more, dlvd.....lb. .14 - —
9 pkgs. or less, dlvd.....lb. .14½- —
500, extra hard, c.l., dlvd..lb. .16 - —
10 pkgs. or more, dlvd.....lb. .16½- —
9 pkgs. or less, dlvd.....lb. .17 - —
800, extra light, c.l., dlvd.....lb. .14 - —
10 pkgs. or more, dlvd.....lb. .14½- —
9 pkgs. or less, dlvd.....lb. .15 - —
800, dark, c.l., dlvd.....lb. .13 - —
10 pkgs. or more, dlvd.....lb. .13½- —
9 pkgs. or less, dlvd.....lb. .14 - —
850, c.l., dlvd.....lb. .14 - —
10 pkgs. or more, dlvd.....lb. .14½- —
9 pkgs. or less, dlvd.....lb. .15 - —
1600, c.l., dlvd.....lb. .13½- —
10 pkgs. or more, dlvd.....lb. .14 - —
9 pkgs. or less, dlvd.....lb. .14½- —
1700, c.l., dlvd.....lb. .14 - —
10 pkgs. or more, dlvd.....lb. .14½- —
9 pkgs. or less, dlvd.....lb. .15 - —
1750, c.l., dlvd.....lb. .13½- —
10 pkgs. or more, dlvd.....lb. .14 - —
9 pkgs. or less. dlvd.....lb. .14½- —
1855, c.l., dlvd.....lb. .12 - —
10 pkgs. or more, dlvd.....lb. .12½- —
9 pkgs. or less, dlvd.....lb. .13 - —
3046-C c.l., dlvd.....lb. .22 - —
10 pkgs. or more, dlvd.....lb. .22½- —
9 pkgs, or less, dlvd.....lb. .23 - —
3101, c.l., dlvd.....lb. .14¾- —
10 pkgs., or more, dlvd.....lb. .15¼- —
9 pkgs. or less, dlvd.....lb. .15¾- —
3645, c.l., dlvd.....lb. .14 - —
10 pkgs. or more, dlvd.....lb. .14¼- —
9 pkgs. or less, dlvd.....lb. .15 - —
Pentalyn, dms., c.l., f.o.b. cars, destination..lb. .11½- —
l.c.l., 10 dms., same basis..lb. .12 - —
single dms., same basis..lb. .12¾- —
smaller lots, f.o.b. Hercules, Del..lb. .17¾- —
Pentalyn G, dms., c.l., f.o.b. cars, destination..lb. .13 - —
l.c.l., 10 dms., same basis, lb. .13½- —
single dms., same basis..lb. .14¼- —
smaller lots, f.o.b. Hercules, Del..lb. .19¼- —
Phenester, color 3½-5, dms., works, lb. .17 - —
P.H.O., dms., works.....lb. .19 - —
Pliolite, powder, ton lots, works, lb. .66 - —
smaller lots, works.....lb. .69 - .74
Pliolite resin, clear, ton lots, works..lb. .75 - —
smaller lots, works.....lb. .79 - .84
No. 20, ton lots, works.....lb. .75 - —
smaller lots works.....lb. .79 - .84
No. 40, ton lots, work.....lb. .75 - —
smaller lots, works.....lb. .79 - .84

R

Resinous oil, No. XI, dms., works, lb. .019 - —

S

Staybelite resin, c.l. (36,000 lbs.), f.o.b. cars East of and including N. D., S. D., Neb., Kan., Okla. and Tex..lb. .06 - —
l.c.l., dms. (500 lbs.), same basis..lb. .06½- —
smaller lots, f.o.b. Hattiesburg, Miss., or Hercules, Del..lb. .20 - —
Styrene resin, XRS-1, 30,000 lbs., works..lb. .50 - —
15,000 lbs., works.....lb. .50½- —
5,000 lbs., works.....lb. .51 - —
XRS-2, 30,000 lbs., works....lb. .55 - —
15,000 lbs., works.....lb. .55½- —
5,000 lbs., works.....lb. .56 - —
Super-beckacite, pure phenolic, 1001, dms., 1-9, frt. pd..lb. .31 - —
1002, dms., 1-9, frt. pd....lb. .30 - —
2000, dms., 1-9, frt. pd....lb. .28 - —
2667, dms., 1-9, frt. pd....lb. .21 - —
3000, dms., 1-9, frt. pd....lb. .43½- —
3005, dms., 1-9, frt. pd....lb. .41½- —

Super-beckacite prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less, with exception of 3000 and 3005, where 10 dms. are 1½c. less and carloads 3c.; prices subject to same geographical differentials as beckacite.

Super-beckamine, 3500, dms., 10,000 lbs. or more, frt. pd..lb. .26 - —
3501, dms., 1-9, frt. pd.....lb. .24½- —
Surfex, bgs., c.l., f.o.b. Painesville, Ohio..ton.27.50 - —
BB, bgs., c.l., same basis..ton.32.00 - —
MM, bgs., c.l., same basis..ton.30.00 - —
Syntex, standard alkyd resins, No. 9, c.l.....100 lbs.14.00 - —
l.c.l., 10 or more dms.100 lbs.14.50 - —
1-9 dms.....100 lbs.15.00 - —
17, c.l.....100 lbs.12.75 - —
l.c.l., 10 or more dms.100 lbs.13.25 - —
1-9 dms.....100 lbs.13.75 - —
18, c.l.....100 lbs.14.00 - —
l.c.l., 10 or more dms.100 lbs.14.50 - —
1-9 dms.....100 lbs. 15.00 - —
19-A, c.l.....100 lbs.13.75 - —
l.c.l., 10 or more dms.100 lbs.14.25 - —
1-9 dms.....100 lbs.14.75 - —
20-A, c.l.....100 lbs.14.75 - —
l.c.l., 10 or more dms.100 lbs.15.25 - —
1-9 dms.....100 lbs.15.75 - —
21-B, c.l.....100 lbs.12.75 - —
l.c.l., 10 or more dms.100 lbs.13.25 - —
1-9 dms.....100 lbs.13.75 - —
22, c.l.....100 lbs.14.00 - —
l.c.l., 10 or more dms.100 lbs.14.50 - —
1-9 dms.....100 lbs.15.00 - —

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Yesterday, synthetic coating-resins were a "paint specialty". A decade later, they account for nearly one-third of all sales of decorative and protective coatings. Now, they're being used on streamliners and skyliners, battleships and bombers . . . Dozens of other new applications develop daily.

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1-9 dms.....100 lbs.17.50 - —
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l.c.l., 10 or more dms.100 lbs.12.75 - —
1-9 dms.....100 lbs.13.25 - —
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l.c.l., 10 or more dms.100 lbs.14.00 - —
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QYNA, c.l. (30,000 lbs.), paper bags, f.o.b. cars South Charleston, W. Va..lb. .48 - —
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2,000 to 9,999 lbs., cns., same basis..lb. .52½- —
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1 to 199 lbs., cns., same basis..lb. .65 - —
VYHF, VYLF, VYNW, VYRR, c.l. (30,000 lbs.), paper bags, same basis..lb. .48 - —
10,000 to 29,999 lbs., cns., same basis..lb. .50 - —
2,000 to 9,999 lbs., cns., same basis..lb. .52½- —
200 to 1,999 lbs., cns., same basis..lb. .55 - —
1 to 199 lbs., cns., same basis..lb. .65 - —
VYHH, c.l. (30,000 lbs.), paper bags, same basis, lb. .52 - —
10,000 to 29,999 lbs., cns., same basis..lb. .54 - —
2,000 to 9,999 lbs., cns., same basis..lb. .55½- —
200 to 1,999 lbs., cns., same basis..lb. .57 - —
1 to 199 lbs., cns., same basis..lb. .67 - —
VYNS, c.l. (30,000 lbs.), paper bags, same basis, lb. .68 - —
VYNS, 10,000 to 29,999 lbs., cns., same basis..lb. .70 - —
2,000 to 9,999 lbs., cns., same basis..lb. .72½- —
200 to 1,999 lbs., cns., same basis..lb. .75 - —
1 to 199 lbs., cns., same basis..lb. .85 - —
XYSG, paper bags, 200 to 1,999 lbs., cns., same basis..lb. 1.25 - —
1 to 199 lbs., cns., same basis..lb. 1.40 - —
Adhesive solutions:—
Vinylseal adhesive, dm. lots, same basis..gal. 2.10 - —
smaller lots, same basis.gal. 2.50 - —
XL5041, 20 dms., same basis, gal. 2.00 - —
dm. lots, same basis....gal. 2.25 - —
smaller lots, same basis.gal. 2.50 - —
XL5075, 20 dms., same basis, gal. 2.15 - —
dm. lots, same basis....gal. 2.40 - —
smaller lots, same basis.gal. 2.65 - —

Adhesive solutions in 1 to 5 gal. quantities are shipped in non-returnable containers. Extra charge of 40c. for 1-gal. cans, 5-gal. containers included in price. Drum lots are shipped in 55-gal. non-returnable drums.

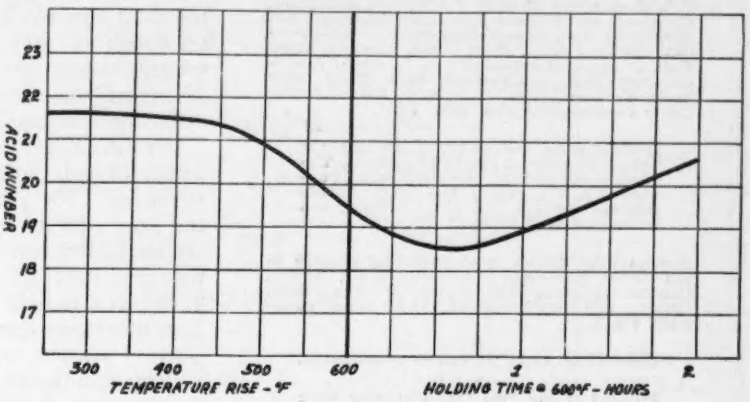
Corporation Earnings Recently Reported

Company.	Period.	1941 Net income.	1941 Per share.	1940 Net income.	1940 Per share.
American Chicle Co.	3 Mos.	$922,575	$2.12	$910,932	$2.09
American Cyanamid Co.	12 Mos.	6,629,729	2.44	5,524,941	2.07
American Home Prod. Corp.	3 Mos.	1,233,163	1.53	1,234,116	1.53
American Metal Co., Ltd.	3 Mos.	787,464	.56	523,686	.35
American Smelting & Refining	12 Mos.	12,735,205	4.21	13,057,145	4.36
Asbestos Mfg.	3 Mos.	42,286	.11	20,688	.05
Atlas Powder Co.	3 Mos.	440,282	1.41	364,696	1.11
Bausch & Lomb Optical Co.	3 Mos.	506,831	1.06	420,668	.87
Bon Ami Co.	3 Mos.	325,025	.89	340,046	.93
Bristol-Myers	12 Mos.	2,523,642	3.73	2,379,785	3.49
Catalin Corp. of America	3 Mos.	67,787	.12	51,733	.09
Cleveland-Cliffs Iron	12 Mos.	4,382,000	4.77	3,378,394	2.31
Cliffs Corp.	12 Mos.	645,526	.80	326,127	.40
Climax Molybdenum Co.	12 Mos.	6,039,373	2.40	10,309,586	4.09
Columbian Carbon Co.	12 Mos.	3,068,799	5.71	2,857,103	5.32
Container Corp. of America	3 Mos.	497,042	.64	472,418	.60
Corn Products Refining	3 Mos.	2,496,983	.81	2,361,538	.76
Corn Products Refining	12 Mos.	9,581,054	3.11	10,120,398	3.32
Du Pont (E. I. de Nemours & Co.)	3 Mos.	20,754,161	1.71	23,727,188	1.98
Flintkote Co.	3 Mos.	305,787	.45	114,318	.17
General Electric Co.	12 Mos.	56,241,083	1.95	41,235,644	1.43
Hercules Powder Co.	3 Mos.	1,360,426	.93	1,742,573	1.22
Hinde & Dauch Paper Co.	3 Mos.	265,747	.61	208,223	.45
Howe Sound Co.	3 Mos.	300,480	.63	558,278	1.17
Industrial Rayon Corp.	3 Mos.	683,351	.90	536,547	.71
International Nickel Co.	12 Mos.	35,544,772	2.31	36,847,466	2.39
Johns-Manville Corp.	3 Mos.	1,561,588	1.73	777,694	.76
Kennecott Copper Corp.	12 Mos.	43,837,330	4.05	33,947,443	3.14
Kimberly-Clark Corp.	3 Mos.	516,105	.75	745,045	1.22
Kimberly-Clark	12 Mos.	2,278,961	3.44	2,651,365	4.21
Lambert Co.	3 Mos.	478,838	.64	402,377	.54
Lehn & Fink Products	9 Mos.	501,956	1.25	517,161	1.29
Libbey-Owens-Ford Glass	3 Mos.	3,400,917	1.35	2,897,952	1.15
MacAndrews & Forbes	3 Mos.	222,802	.63	209,486	.59
Magma Copper Co.	3 Mos.	387,193	.95	341,306	.84
Mathieson Alkali Works	3 Mos.	403,515	.44	364,142	.39
Mead Corp.	3 Mos.	362,037	.41	357,511	.40
National Container Corp.	12 Mos.	795,671	2.41	357,945	1.08
National Gypsum Co.	3 Mos.	349,255	.22	90,545	.02
National Supply Co.	3 Mos.	801,584	.22	426,228	...
Nehi Corp.	3 Mos.	191,339	.17	129,844	.11
Norwich Pharmacal Co.	3 Mos.	194,623	.24	192,640	.24
Parker Rust Proof Co.	3 Mos.	385,364	.90	272,962	.63
Paraffine Cos., Inc.	9 Mos.	1,023,829	2.00	1,317,501	2.62
Peoples Gas Light & Coke	3 Mos.	1,653,231	2.52	1,377,516	2.10
Phelps Dodge Corp.	3 Mos.	3,700,000	.73	.....	...
Pittsburgh Coke & Iron Co.	3 Mos.	377,430	.57	185,206	.25
Republic Steel Corp.	3 Mos.	8,189,966	1.35	3,111,723	.43
Reynolds Metal	3 Mos.	945,062	.88	596,666	.52
Scovill Mfg.	12 Mos.	3,218,588	3.07	1,768,806	1.69
Shell Union Oil Co.	3 Mos.	3,621,794	.24	5,314,158	.37
Texas Gulf Sulphur Co.	3 Mos.	2,147,381	.56	2,045,008	.53
Union Bag & Paper	3 Mos.	552,000	.43	725,431	.57
Union Carbide & Carbon	3 Mos.	10,545,636	1.14	10,468,706	1.13
Union Carbide & Carbon	12 Mos.	42,347,274	4.55	35,847,400	3.86
Vanadium Corp. of America	12 Mos.	1,072,886	2.84	1,224,450	3.25
Victor Chemical Works	3 Mos.	318,215	.46	226,990	.32

Soda Chlorite Production Delayed Until July 1

Completion of the new sodium chlorite operations at the Niagara Falls works has been delayed because of the failure to get delivery of essential equipment, E. M. Allen, president of the Mathieson Alkali Works, stated in his quarterly report to stockholders. Production was expected to be underway by July 1, he said.

Here's how DUREZ 209 Combines with Linseed Oil!



Here's a graphic picture of the action of Durez 209 with linseed oil. The resulting varnishes have improved film hardness, dry, and resistance.

This chart shows the change in acidity which occurs during the heat treatment of 20 parts of Durez 209 Resin with 80 parts of alkali refined linseed oil.

Note the *decrease* in acid-value as the temperature increases and also after the top temperature has been reached.

Customary modified phenolic resins when treated in the same manner do not exhibit this reaction. They show a gradual increase in acidity during the entire processing period. To check this for yourself... just write us for a sample of Durez 209!

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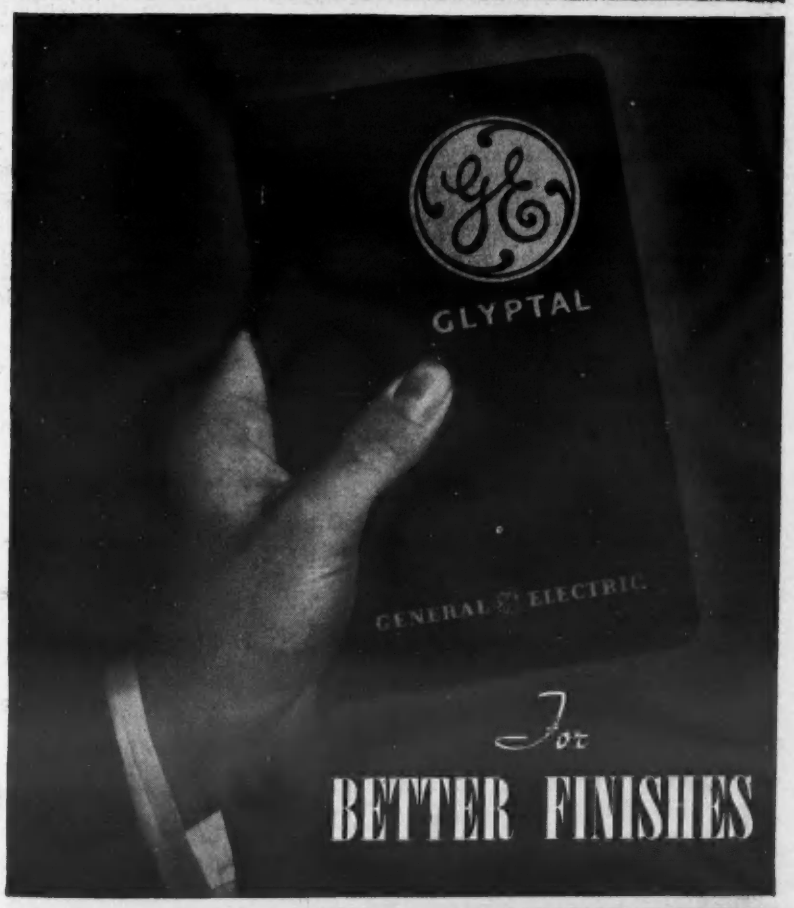

GENERAL ELECTRIC

Oil, Paint and Drug Reporter

Founded October 18, 1871, by William O. Allison.

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Antitrust Law Immunity

It is pleasing, and perhaps encouraging, for business to be told by the Attorney-General of the United States that, in connection with its participation in work for the national defense, it may do certain things which otherwise would put it in violation of the antitrust laws. But, because the promised immunity depends on compliance with rules laid down by the Department of Justice, business groups will do well to become thoroughly familiar with the official meaning of those rules before they engage in even innocent-seeming concerted action.

Doubtless the Attorney-General means well. He has indicated a purpose of going quite far in an endeavor not to harrass or handicap the work of national defense unwarrantedly. It is assumable that he will do much to facilitate the compliance of business with the wishes and programs of the Office of Production Management and the Office of Price Administration and Civilian Supply. It must be recognized, however, that the consumer is not without influence in official circles, and that the consumer can make things at least uncomfortable for an Attorney-General who lets his antitrust attitude and activity slacken too much. It must not be expected that the official policy will be even so lax as that of a decade ago when the anitrust laws were in innocuous desuetude.

The general rule conditions antitrust law immunity to "acts performed in good faith and within the intendment of instructions" given by either the production or the price office. The Attorney-General has said that these limitations may permit curtailment of production in certain lines and the allocation of orders. It is at least implied that any such action must have the approval of OPM or OPACS if it is not in fact directed by one or the other of these offices. There is, of course, the corrolary that any price-boosting potentiality of such curtailment or allocation will be faced with at least a warning finger by OPACS. Whatever is done must be sanctioned by official direction. The bars have been lowered, but they have not been removed.

Native Drugs Deserve Study

In the official program of this year's (thirtieth annual) meeting of the American Drug Manufacturers Association, it is announced that the crude drug section of the association will meet if called by its chairman. Such has been the customary announcement with respect to this session, and for a number of years no meeting has been called. There has been no reason to give crude drugs any more consideration than they got in the reports of several cognate subcommittees of the scientific section.

Conditions are different this year. With prices of botanical drugs increased by as much as 1,500 percent—and more—during the past twenty months, these materials have become of intense interest to manufacturers of medicinal preparations. There is a reason why the A.D.M.A. section on crude drugs should have an important session this year and should find it desirable to propose to the parent association a program directed to the securing of national independence in the matter of supplies.

Production in this country of botanical specialties, that is, drugs, aromatics, and other plants not readily adaptable to mass cultivation, has always been regarded as impracticable because of the high cost of the necessary manual labor. If American efficiency is what it is professed to be, that excuse is incomprehensible and unconvincing. There are other reasons—chiefly climatic or geognostic—why certain important drug plants and some other specialties cannot practicably be cultivated in this country. These reasons make the problem of botanical drug supplies a bipartite one.

Manufacturers of medicinal preparations well might interest themselves in both aspects of this problem, financially, as well as technically. Much can be done, perhaps as a "family" or "cottage" industry, to develop the cultivation of drugs now in substantial and important use. Much can be done in the other direction of developing knowledge and use of native drugs and those which can easily be introduced.

The American Drug Manufacturers Association has among its members several companies which possess a wealth of lore in respect of domestic botanical drugs. In this there is the nucleus of extensive and intensive scientific research and experimentation in, for example, pheasant's-eye, wild indigo, squirrel-corn, pasque-flower, Indian tobacco, poison ivy, sweet bugle, butterfly weed, scabwort, Indian poke, half a dozen docks, twice as many sumacs, and a number of spurges—to mention but a small percentage of the household remedies which have at least as much empirical merit as ma-huang had a short time ago.

—O-P-D—

For Equitable Taxation

The making of another revenue law to pay part of the cost to the United States of defending its place in the world proceeds customarily in Congress. Aside from the budget-cutting on some unnecessary governmental functioning suggested by the Secretary of the Treasury, most contributions to date are neither novel nor of much help. The indications still are that everybody who works, with the exception of the many thousands who are on governmental payrolls, will pay much more—more than is warranted and more than will go into the national treasury because a large part of the paying will go to meet the earnings on taxes on their way from the nominal taxee to the ultimate payer.

The idea of a general sales tax has been discarded—for the time being, at least—because of its administrative difficulties. A general sales tax would be preferable to the proposed manufacturer's sales taxes, or excises, because the latter are a snowballing levy: the consumer pays a dollar and the government gets perhaps fifty cents. But, a general sales tax is a levy on purchasing power. It is calculated on 100 percent of the low incomes and on but a small percentage of incomes too large to be spent.

Doubtless the Federal income tax will be spread more widely and more thickly. But, there is no evidence that it will be equitably applied to those whose incomes are accrued, rather than earned. That is one discrimination which business should fight to eliminate. In spite of what their elimination might cost a comparatively few members of the business world, the eventual benefits to business as a whole make it desirable that there be no tax-exempt securities. The classic "widows and orphans" are no more privileged than are those who earn the same income at hard labor.

The big tax reform for which business should work is the elimination of government spending for every nonessential functioning and the substitution for every other form of Federal taxation of a gross income tax on a scientifically calculated sliding scale, collected at the source as the social security and old-age taxes are now collected, and applied alike to every income no matter what its source. Such a tax alone is in keeping with the equitableness which is at least professedly basic in the American system. As long as it gives but lip service to tax reform, business harms chiefly itself; for it pays all taxes.

—O-P-D—

Size Is Secondary

Mitigation of the evil of the loss of millions of manhours to national defense work by strikes is attempted with the argument that this loss is only about one-fourth or one-fifth of one percent of the manhours of productive industry during the period represented. The smallness of the fraction is something to conjure with; but there is no intelligent conviction in such sophistry. The baleful influence of these interferences by certain labor "leaders" with work of defense spreads widely and objectionably to hamper many operations and to waste millions of additional manhours.

The public is getting fed up on the philosophy that men shall be drafted for the national welfare; but "labor" must be permitted to lay and to follow its own course—whatever the small fraction of personal interest thus served.

The national welfare is the criterion of all that relates to defense work. Size of a disturbance is secondary; its effects count. A grain of sand in the eye, or a pebble in a shoe, is far more troublesome than a stone in a pocket.

If May 1 was Moving Day for you please tell OPD NOW the change you made — from where you were to where you are — so that the mailing list may be made right.

DEPENDABLE!

The manufacture of Pfizer Ascorbic Acid results from independent research, combined with engineering skill and operating efficiency. Our proven process and ample supply of raw materials insure uninterrupted production . . .

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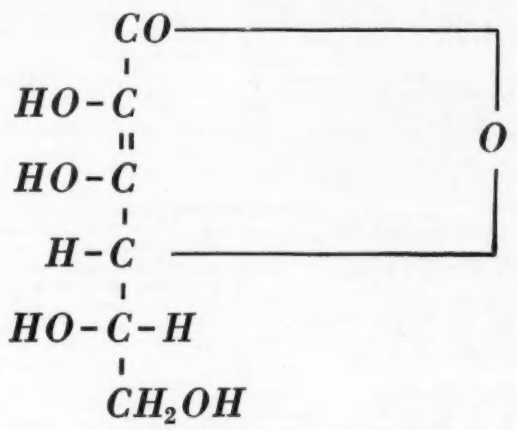

Molecular Weight—176.06

Ascorbic Acid (l-Ascorbic Acid) is recognized as being Vitamin C. The U.S.P. and International Units of Vitamin C are defined as 0.05 mg. of ascorbic acid; 1 gram of ascorbic acid is therefore equal to 20,000 U.S.P. or International Units.

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OPD Forum

—*Continued from page 4*

With respect to proposal No. 2 recommending the general adoption of a "Commercial Standard Conversion Factor" for translating the extinction coefficient to "vitamin A unitage (estimated spectrophotometrically)," there was almost unanimous approval.

The sentiment at the informal conference regarding the second proposal was similar to that reported in the questionnaires. However, there was less expression of opinion in favor of setting a minimum level above which determinations of E value could be made directly on whole oils. Evidence was presented indicating that several laboratories have observed even high-potency oils to have as much as 9 percent lower E values as determined on the unsaponifiable fraction than on the whole oils. Although differences of such magnitude are highly significant from the commercial standpoint they are difficult to confirm by the official assay method, in view of its wider margin of biological error. It was agreed that the determination on the unsaponifiable fraction by eliminating most of the interfering substances provided a more accurate basis for predicting the vitamin A content. It was pointed out that the potential loss that might result from incomplete extraction was small relative to the possible error due to irrelevant absorption.

In connection with the spectrophotometric assay, extraction methods in general use involve from three to five extractions of the unsaponifiable matter and in at least one laboratory the procedure is based on continuous extraction. Control over the completeness of extraction can be maintained by means of a qualitative antimony chloride test on a few drops of extract. The need for standardizing the saponification and extraction procedure was emphasized and will be urged upon the U.S.P. revision committee and the Association of Official Agricultural Chemists.

In replying to the questionnaire eleven laboratories with facilities for determining E values reported their "conversion factors" based on the U.S.P. reference oil No. 2. Of these, nine stated that their factors were derived from determinations on the unsaponifiable fraction of this oil while two failed to qualify the basis (laboratories equipped with the Bills-Wallenmyer instrument submitted no conversion factors). The range of these values was 1950 to 2200 (average 2083, average deviation ±72), with the exception of one laboratory whose "factors" were variable for different types of material.

However, at the conference it was proposed that greater assurance of arriving at a biologically confirmable estimate of unitage would be gained by the adoption of a standard conversion factor closer to the lower range of those cited rather than by employing an average. This opinion was voiced by Dr. E. M. Nelson, chief of the vitamin division of the Food and Drug Administration, and concurred in by ten out of eleven in a show of hands.

It was emphasized that, insofar as commercial transactions are concerned, it was immaterial what factor was used so long as it was uniform throughout. The opinion was also expressed that it would be preferable to limit trade usage to E values per se rather than to convert these into terms of units, but in the face of the difficulties which confront changing the established custom of quoting the prices of fish oils on so much per million units, it was agreed that the next best thing was to use a constant conversion factor. A further advantage of a uniform factor, brought out at this conference, would be the elimination from spectrophotometric determinations of the U.S.P. reference cod liver oil as a physical standard.

It must be clearly understood that the adoption of the commercial standard conversion factor will be entirely voluntary on the part of the fish-liver oil industry—there is nothing official or mandatory about it. The U.S.P. bioliogical assay remains the official test for vitamin A. It is hoped that acceptance of this factor by the industry will remove one controversial feature which not infrequently accompanies negotiations in the sale of fish liver oils.

It is therefore recommended that beginning June 15, 1941, and for the purpose of commercial transactions involving the vitamin A content of fish liver oils, the industry agree:—

1. To adopt the determination of the extinction coefficient of the unsaponifiable fraction of a fish-liver oil as the more reliable criterion for estimating vitamin A content than the direct determination on the whole oil.

2. To compute estimates of vitamin A content from the extinction coefficient—

$$E^{1\%}_{1\ cm.}\ 328\ millimicrons$$

—of the unsaponifiable fraction by means of the commercial standard conversion factor (2000).

It is hardly necessary to add that when agreed to by all parties concerned any other method of predicting vitamin A potencies may be employed, or that, in any case, the estimate arrived at may be made subject to biological confirmation.

Acceptance of these recommendations is entirely optional, though the views expressed lead to the conviction that most firms in the fish-liver oil industry will welcome their adoption.

Beginning June 15 reports of determinations of extinction coefficients from these laboratories will contain a value for vitamin A unitage (estimated spectrophotometrically) by means of the commercial standard conversion factor (2000) together with a statement to the effect that:—

The E value of the unsaponifiable fraction of a fish-liver oil usually furnishes a more reliable index of vitamin A unitage than that of the whole oil. Whole oil values can only be considered as indicating maximal limits of potency.

The writer would be grateful for expressions on the acceptability of these proposals and is sincerely appreciative of cooperation.

Long Island City, N. Y.
April 28, 1941.

FOOD RESEARCH LABORATORIES, Inc.

Bragdon Named Head Of N.Y. Prod. Club

C. R. Bragdon, of the Interchemical Corporation, was elected president of the New York Paint and Varnish Production Club at the May 1 meeting.

Other officers elected were:—Vice-president, John Murphy, Standard Varnish Company; secretary, F. Grant Schleicher, W. D. Wilson Printing Ink Company, and treasurer, Fred M. Damitz, formerly of the Endurette Corporation, who is now about to enter business for himself.

The speaker of the evening was Anthony Skett, director of research for the American Gum Importers Association, who spoke on "Progress in Natural Resin Research."

Hockenjos Observes 80th Anniversary

J. J. Hockenjos Company, Northern New Jersey paint wholesale and retail organization, celebrated its eightieth anniversary April 19 in its ten stores in Newark, Irvington, Kearny, East Orange, New Brunswick, Elizabeth, Morristown, Montclair, Plainfield and Paterson. Souvenirs were given to the first eighty customers in each place.

Established in 1861, the company handles a full line of paints and varnishes, wallpaper, artists' supplies and home accessories. Carl F. Watter, nephew of the founder, is president. To commemorate the anniversary a special issue of *Paint News*, the company house organ, carried descriptive and pictorial materials of the organization's development.

Servicing painting contractors, maintenance accounts and the general public, the newest merchandising feature inaugurated by Mr. Watter is the "Home Make-up Studio," directed by "Miss Yvonne," an interior decorator, which gives paint styling advice to contractors and home owners.

Minerals Trading Corporation has removed its office from 17 Battery Place to 95 Broad street, this city. Telephone number remains unchanged —Whitehall 4-3926. The company is a dealer in wood flour and diatomaceous earth.

Carbon Monoxide Limits Of Concentrations Set

A standard governing the limits for concentrations of carbon monoxide in the air of tunnels and workplaces has been approved by the American Standards Association. The new standard provides that the maximum allowable concentration of carbon monoxide shall be 100 parts per 1,000,000 parts of air by volume with atmospheric oxygen not below 19 percent by volume adjusted to 250 and 760 mm pressure for exposures not exceeding a total of eight hours daily, and 400 parts per 1,000,000 parts of air by volume for exposure not exceeding a total of one hour daily.

Work on eight other toxic substances important in defense production were recently approved by the association as emergency jobs, which means that they will be rushed to completion by the association's new emergency procedure. This will help industrial concerns protect the large number of employees now being turned into defense jobs where the eight substances listed—acetone, lead and sodium azides, cadmium, ether, manganese, tetryl, TNT, and xylol—present a health hazard.

Meeting Vitamin A Consumption

—*Continued from page 3*

and the better qualities and higher potencies of sharkliver oils. With total supplies still nearly four times the minimum human needs the problem is to deflect vitamin A from other destinations to human use.

Controlling Other Uses

The two broad nonhuman destinations are poultry and industrial. The poultry oils offer no direct solution, though indirectly they may contribute. If it is still a matter of controversy whether human diet requires fortification, there is no doubt whatever that poultry must receive some extra vitamins A and D. While we may take a little vitamin A from the poultry field we must turn to industrial oil for the main quantity of extra vitamin. Extraction of all the vitamin before these oils pass to other uses would compensate for the interruption of Norwegian oil and provide an extra 20,000,000,000,000 to 30,000,000,000,000 units of vitamin A nearly equivalent to the total United States minimum human supplement.

The potency of the industrial oils—sardine, menhaden, and salmon—is low, generally less than 1,000 units per gram. It is unlikely that extraction processes would produce rich concentrates comparable with those now used in the human field. However, merely raising the potency of the industrial oils three to five times by transferring the vitamin from three-fourths of the oil to the remaining quarter would provide about 5,000,000 gallons annually of a blend directly suitable for poultry, and liberate for human consumption the more potent oils now used to fortify sardine oil for poultry feeds. The problem therefore is to extract the vitman from the fishbody oils which are used in the paint, varnish, leather, and sulphonated oil industries.

Contributing Factors

At least three processes of extraction are available—saponification, solvent extraction, and high-vacuum distillation. Adequate wartime supplies of vitamin A are a matter of price and management. As prices rise new sources of liver and body oils will become available and at least one form of concentration can be extended with new usefulness.

As regards management, there are two vital considerations—exports and dosage distribution. We suggest that carotene be utilized in feeding a deficient Europe. Hardly to be listed as a resource of the United States are the 100,000,000,000,000 units of carotene, a quantity as great as all the vitamin A in our fish oils, which is imported annually in the form of palm oil. Substantially all the carotene is destroyed by bleaching prior to industrial use. The oil is not a rich source of vitamin A (about 1,000 units per gram), but a small fraction of a teaspoonful contains the minimum daily supplement. Instead, therefore, of exporting more fishliver oils than we care to spare we might well deflect a corresponding unitage as red palm oil from Africa or the East Indies to Europeans who require vitamin A.

Adjustment toward equality of dosage should be borne in mind as a means for bolstering a future dwindling ratio of supply to demand. The minimum figure for United States supplemental requirements of vitanmin A is predicted on a uniform small dosage per person. Every capsule, every proprietary food or medicine which exceeds the daily quota robs an unwitting donor of a health advantage which is not experienced in like measure by the recipient of the extra quantity.

Obituaries

August Heckscher

August Heckscher, widely known philanthropist, died April 26 at Mountain Lake, Fla. Born in Hamburg, Mr. Heckscher was educated in Switzerland. He came to this country in 1867 and subsequently became identified with the zinc industry, owning mines in Bethlehem, Pa., and Sussex county, N. J. He merged his interests with the New Jersey Zinc Company in 1897, remaining with that organization as its manager until 1905.

George W. White

George W. White, manager of the city sales department of the New York branch of Mallinckrodt Chemical Works, died unexpectedly April 26 in his home in East Orange, N. J. He was seventy-three years old.

Mr. White was born in Hoboken, N. J. He began his connection with the drug and chemical trade of this city with the wholesale drug house of McKesson & Robbins. He went with the local Mallinckrodt branch in the summer of 1900 and shortly afterward was made manager of the city department. His wife, formerly Miss Laura K. Clark, survives.

W. E. Beardslee, prominently identified with the powdered milk industry and formerly general superintendent of the Merrell-Soule Company, died in Arcade, N. Y., April 26. He was seventy-eight years of age.

Noel B. Barnsdall, one of the founders of the Barnsdall Oil Company and the Kendall Refining Company, died April 25 at his home in Beverly Hills, Cal. He was sixty-one years of age.

Dr. Charles E. Brewer, president emeritus of Meredith College, Raleigh, N. C., where he was professor of chemistry from 1889 until 1915, died there May 1. He was seventy-five years old.

Andrew R. Scott, for the past thirty-two years an analytical chemist for the Stauffer Chemical Company, died April 30 in White Plains, N. Y. He was eighty-five years of age.

Herman H. Wesley, former Eastern general salesmanager for Johns-Mansville Corporation, this city, died in a hospital in White Plains, N. Y., after a brief illness. He was fifty-three years old.

Seth Wheeler, jr., retired president of the A.P.W. Paper Company, Albany, died April 28 in Londonville, N. Y. He was sixty-three years of age.

Charles H. Wintersmith, who retired in 1938 as president of the Wintersmith Chemical Company, the Louisville, Ky., firm founded by his father, died April 28 in that city. He was seventy years of age.

Major John W. Wright, since 1929 superintendent of labor and transportation at the Solvay Process Company plant at Hopewell, Va., died April 25 at Richmond. He was sixty years of age.

Elwood P. Sine, former president of a Cuban sugar company owned by the American Foreign Banking Corporation, and former secretary of the Veneuelan Petroleum Company, died recently at Peru, Ind. His age was sixty-four.

Heavy Chemicals

Defense Buying Continues to Exert Additional Pressure—Shortage of Many Chemicals Becoming More Pronounced—Definite Leveling Off Noted in Export Business

Buying for defense purposes continued to exert additional pressure to the market for heavy chemicals last week. With normal business and seasonal demands to be provided for, sellers were finding it increasingly embarrassing to keep abreast of things. Supplies in the spot market were scarce, and many items sought were obtainable in limited quantities at premium levels. A definite tapering off occurred in export business because of the tighter domestic situation, export license restrictions and increased costs.

One producer, formerly a seller of soda sulphide, was using the material in defense work, and buying additional supplies. This offered some explanation for the recent tightening in the market. Spot offerings were limited, and supplies were sought at higher levels for prompt delivery.

Shortage of nickel salts became more pronounced; stocks were virtually depleted. A few transactions took place at greatly increased prices. Copper salts were tight; the sulphate was in the shortest position in years. A scarcity continued for ammonia and soda silicofluoride. Glacial acetic acid was more difficult to obtain. Producers of ammonia had all they could do to provide regular consumers, and felt that conditions would probably become worse before they get better. Demand for chlorine continued unabated, while position of carbon tetrachloride underwent no improvement. Business was allocated in cobalt oxide. Offerings of potash salts were limited.

Alums.—Movement continued steady, and prices firm.

Alumina Sulphate.—Market position firm, with volume well sustained.

Ammonia, Anhydrous. — Supplies limited, and selling restricted. Prices firm.

Ammonia, Aqua.—Business confined to regular channels. Market strong.

Ammonia Bicarbonate. — Transactions routine. Prices lack change.

Ammonia Bifluoride.—Offerings restricted, and market tight. Prices rule firm.

Ammonia Nitrate. — Inquiries and shipments steady. Market strong.

Ammonia Persulphate. — Demand moderate. Prices continued unchanged and firm.

Ammonia Silicofluoride.—Spot offerings scarce and shipments subject to delay. Prices firm.

Ammonia Sulphocyanide. — Sellers confined offerings to regular channels as a rule. Prices held the same.

Ammonia Sulphide.—Steady interest. Pricewise a firm tone prevailed.

Ammoniac, Sal.—Good inquiry, with shipments steady. Quotations held unchanged.

Antimony.—Domestic spot price unchanged. Buying routine.

Antimony Needle.—Chinese material nominal at 22c. per pound. No change in Bolivian. Fair demand.

Arsenic.—Business maintained at steady levels, and market was firm.

Barium Salts.—Prices unchanged and firm. Good movement of carbonate, chloride and nitrate.

Bleaching Powder.—Better export inquiry, while domestic transactions were routine. Prices continued firm.

Calcium Acetate.—Market tight, and selling limited. Prices firm.

Calcium Carbide.—Domestic and export shipments satisfactory. No change in prices.

Calcium Chloride.—Seasonal factors were an influence in keeping volume at favorable levels. Prices steady to firm.

Carbon Tetrachloride. — Demand steady, and little change noted in the market position, which has tightened in recent weeks.

Chlorine.—Inquiries and shipments remained brisk. Prices unchanged and firm.

Price Changes

Advanced

Antimony needle, 2c. per lb.

Reduced

Soda molybdate, 13c. per lb.
Tin, Straits, ¼c. per lb.
tetrachloride, anhy., ¼c. per lb.

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
158.2	158.2	158.2	150.8

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
101.6	101.6	101.6	101.6

Market news that may have developed after this report was sent to press will be found on page 4.

Cobalt Oxide. — Sellers allocating business. Domestic production looked for in near future. Prices firm.

Copper.—Prices hold at 12c. for primary producers; 12½c. for smelters and 11c. to 12c., f.a.s. in export market. Sales in April well ahead of March volume.

Copper Salts.—Sellers running behind in shipments of carbonate and oxides of copper; other derivatives in tight position. Prices firm.

Copper Sulphate.—Market continued short. Little or none offered for export. Prices firm.

Copperas. — Business confined to regular consumers. Prices lacked change.

Fluorspar.—Shipments steady, and prices well stabilized.

Glauber's Salt.—Market firm. Buying steady against contracts.

Lead Acetate.—Dealings remain routine. Prices without change.

Lime.—Good movement. A steady to firm price tone prevailed.

Magnesite.—Domestic production increased. Heavy inquiry. Little or no imported available. Prices firm.

Manganese Salts.—Prices held unchanged and firm. Selling usually limited to regular accounts.

Nickel Salts.—No improvement in supply situation, sellers running far behind on deliveries. Outside transactions ranged from 18c. to 32c. per pound.

Potash Carbonate.—Market tightening. Offerings limited. Prices firm.

Potash, Caustic.—Sellers endeavor-

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Purchasing Agents Ass'n, May 26-29, Chicago.
Manufacturing Chemists Ass'n, June 5-6, Skytop, Pa.
Insecticide, Disinfectant Mfrs., June 9-10, Chicago.

BORAX—TECHNICAL GRADE
Powder and Fine Granular
SODIUM SESQUICARBONATE
Unrefined
Pacific Crystals
Laundry Soda
SODA ASH
Light and Dense
PACIFIC ALKALI COMPANY
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BICARBONATE OF SODA
SAL SODA (Carbonate of Soda Crystals)
MONOHYDRATE OF SODA
PIONEER WASHING SODA
CHURCH & DWIGHT CO.
70 PINE STREET Phone Digby 4-2181 NEW YORK CITY

MURIATIC ACID
CARBOYS—TANK TRUCKS
SULPHURIC ACID
CARBOYS—DRUMS—TANK TRUCKS
AQUA AMMONIA
CARBOYS — DRUMS
TANK TRUCKS
ACETIC ACID
TANK CARS—TANK TRUCKS
—BARRELS
LIQUID CAUSTIC SODA
DRUMS
TANK TRUCKS
SODIUM ACETATE
A. H. MATHIEU & COMPANY
7-11 Getty Avenue Paterson, N. J.
Telephone SHerwood 2-3080-1-2

SODIUM SULPHIDE
BARIUM CARBONATE
BARIUM CHLORIDE
BLANC FIXE
BARIUM PEROXIDE
BARIUM OXIDE
BARIUM HYDRATE
Manufactured by
BARIUM REDUCTION CORPORATION
OFFICE AND WORKS: SOUTH CHARLESTON, W. VA.

Turner CHEMICALS
CAUSTIC SODA
CAUSTIC POTASH
CARBONATE OF POTASH
BLEACHING POWDER
JOSEPH TURNER & COMPANY
RIDGEFIELD N. J.

BARIUM PEROXIDE

BARIUM AND CHEMICALS, Inc., Willoughby, Ohio

Successors to The J. H. R. Products Co.

PM Since 1905

PHOSPHORUS (Yellow) Produced in our own electric furnace using phosphate rock from our own mines.

PHOSPHORIC ACID 75% Pure Food Grade. Made from high quality elemental phosphorus.

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FLORIDA PEBBLE PHOSPHATE ROCK. Grades 77% B.P.L. and all standards to 68%. Also of special specifications—quality—calcining—grinding.

THE PHOSPHATE MINING COMPANY

110 William Street, New York — Nichols, Florida

Liquid Chlorine users PROFIT FROM Penn Salt's double service

Such day-by-day users of Penn Salt Liquid Chlorine as paper and pulp mills, textile manufacturers and others like our twofold "before-and-after" service. Here's what we provide.

BEFORE liquid chlorine is shipped, containers are thoroughly cleaned. Both tank cars and cylinders are carefully overhauled and twice inspected for leaks after loading. You're assured of safe, clean and workable equipment.

AFTER Penn Salt Liquid Chlorine reaches your plant, our service engineers can help by periodically inspecting your chlorine handling equipment, by demonstrating improved methods of connecting and running chlorine lines, and by suggesting safe and efficient ways to use liquid chlorine in your processes.

Write for full information to Pennsylvania Salt Manufacturing Co., Widener Bldg., Philadelphia, Pa.—New York • Chicago • St. Louis • Pittsburgh • Wyandotte • Tacoma.

OTHER PENN SALT PRODUCTS

Alum, Ammonia
Alumina
Aluminum sulphate
Ammonia, anhydrous and aqua
Ammonium persulphate
Bleaching powder
Carbon bisulphide
Carbon tetrachloride
Caustic soda
Corrosion-resistant cements
Ferric chloride
Hydrofluoric acid
Hydrogen peroxide
Kryolith
Kryocide
Mixed acid
Muriatic acid
Nitric acid
Orthosil
Pennpaint
Pennsalt Cleaners (Metals)
Pensal
Perchloron
Sal ammoniac
Salt
Salt cake
Sodium aluminate
Sodium hypochlorite
Sulphuric acid

PENNSYLVANIA SALT MANUFACTURING COMPANY Chemicals

ing to take care of regular contract accounts, with market position strong.

Potash Chlorate.—Interest in export and outside market subsiding. Steady movement to normal channels. Prices firm.

Potash Cyanide.—Prices rule firm, while dealings were routine.

Potash Permanganate.—Business restricted to regular contracts. Prices unchanged and firm.

Salt.—Price tone firm, while buying remained steady.

Saltpeter.—Satisfactory domestic interest, export inquiries irregular. Prices without change.

Soda Acetate.—Market position firm, with business good.

Soda Ash. — Withdrawals steady. prices unchanged. February exports 7,755,663 pounds.

Soda Bicarbonate.—The call routine. Pricewise a firm tone prevailed. February exports 3,053,874 pounds.

Soda Bifluoride.—Market firm, and demand steady.

Soda, Caustic.—A good volume of business moved against contracts. Prices rule the same. February exports 17,080,079 pounds.

Soda Chlorate.—Withdrawals steady. Prices unchanged and firm.

Soda Cyanide.—Buying was active. Prices unaltered and firm.

Soda Hydrosulphite. — Steady demand. No change in price. February exports 45,095 pounds.

Soda Molybdate. — Anhydrous material now offered in commercial quantities at 47c. per pound, regardless of quantity.

Soda Phosphate. — Buying moderately active. Prices retain their firmness. February exports 630,716 pounds.

Soda Silicate.—The call continued fairly broad. No change occurred in the quotations. February exports 967,745 pounds.

Soda Silicofluoride.—Bookings made far ahead, with market position tight. Little available on spot.

Soda Stannate. — Prices held unchanged, and tone about steady. Shipments steady.

Soda Sulphide.—Offerings confined to regular contract accounts. Occasional spot transactions passed at premium levels.

Strontium Salts. — Prices remain firm. Offerings limited in chloride and carbonate.

Sulphur, Refined.—Agricultural and commercial demand provided market with a good volume of business. Prices unchanged and firm.

Tin Salts.—Anhydrous tetrachloride of tin declined ¼c., ranging from 27c. to 27½c. per pound. Prices held unchanged for other tin derivatives. Straits tin quoted at 52⅛c. per pound.

Zinc Chloride. — Transactions confined to regular contracts as a rule. Prices rule firm.

Acids

A number of acids continued in heavy demand in the market for mineral acids last week. Defense re-

Chemical Engineering Schools May Get Government Aid

OPD Washington Bureau
April 30, 1941

Federal funds to provide for additional facilities for colleges for the teaching of chemical engineering would be provided under the terms of a bill (S. 1380) introduced in Congress by Senator Robert R. Reynolds of North Carolina. The measure would authorize the Federal Security Administrator, acting through the Office of Education, to make grants of funds, not to exceed $1,000,000 to a school, to any college at which chemical engineering is taught for the purpose of expansion of facilities and the acquiring of additional equipment for the teaching of chemical enginering.

Dollard Joins Geo. Uhe Co.

Frank Dollard has been appointed head of the industrial chemical division of the George Uhe Company, broker and commission merchant, this city. Mr. Dollard for eleven years was in the resale chemical department of the American Cyanamid & Chemical Corporation, this city.

CAUSTIC SODA

BORIC ACID : CARBON TETRACHLORIDE : BORAX : TITANIUM TETRACHLORIDE : SULPHUR CHLORIDE : SILICON TETRACHLORIDE CREAM OF TARTAR : SULPHURIC ACID : CAUSTIC SODA WHITING : TARTARIC ACID : LIQUID CHLORINE : SULPHUR TEXTILE STRIPPER : CARBON BISULPHIDE

Stauffer CHEMICALS

STAUFFER CHEMICAL COMPANY
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[illegible] Ohio Bldg., Akron, Ohio
[illegible] and Carbon Bldg., Chicago, Ill.
[illegible] California St., San Francisco, Cal.

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quirements were absorbing large quantities of acetic, chromic, formic, mixed, muriatic, nitric and sulphuric. With few exceptions sellers were withdrawing from the export market. A further tightening was noted in glacial acetic. Chromic appeared to be under less pressure than recently. Formic was in a satisfactory position. Large quantities of sulphuric moved against contracts. Nitric and muriatic were in good call. Offerings of oxalic remained limited. Prices held firm.

Acetic.—Supplies of glacial limited and business restricted. Prices tone firm. Scattered transactions in outside market at higher levels.

Battery.—Business moderate and steady. Prices underwent no change.

Chromic.—Less pressure on market, but position still tight. Prices firm.

Formic.—Good demand. Some export inquiries taken. Prices firm.

Gallic.—Dealings conservative. Prices without change.

Hydrofluoric. — Market firm. Inquiries and shipments steady.

Lactic. — Buying well maintained. Prices failed to change.

Mixed.—Commitments fairly broad. Prices rule firm.

Muriatic.—Market firm, and movement steady. February exports 898,063 pounds.

Nitric.—Demand good. Prices unchanged and firm. February exports 71,315 pounds.

Oxalic.—Offerings remain limited. Prices hold firm.

Phosphoric. — Withdrawals steady. Pricewise a firm tone predominated.

Sulphuric.—Orders reached market steadily from numerous sources. Market position was firm, and prices held unchanged. February exports fuming 71,315 pounds, while other grades totaled 856,870 pounds.

Baltimore, April 30, 1941.—The pressure in the market for sulphuric acid is on the increase. Meanwhile the call for supplies is on the increase, and acid-making facilities are being expanded to take care of the country's requirements. For the present, the market is unchanged, with the nominal quotations at $12 per ton for 60-degree and $15 per ton for 66-degree acid. This is also to be said for oleum, which product enters into the smokeless powder and TNT industry, in addition to being in demand for agricultural purposes, and which is held nominally at $17 per ton for 20 percent supplies.

Insecticides

Indications pointed toward an earlier season for most agricultural insecticides and fungicides last week. Consumers were commencing to take a more active interest, while dealers were endeavoring to stock up in anticipation of the coming seasonal demands. Weather conditions remained favorable in most sections of the country. Not much new business developed in the export market. No new developments took place in the prices.

Bordeaux Mixture.—Moderate movement. Prices remain the same.

Calcium Arsenate.—Consumers' interest improving. Prices rule firm.

Lead Arsenate.—Satisfactory movement to dealer and consuming channels. Prices unaltered.

Paris Green.—Fair interest. Prices underwent no change.

Soda Arsenite.—Inquiries reaching market in better volume. No change occurred in the prices.

Salt Packing Revised

The standing committee in charge of simplified practice recommendation R70, salt packages, has approved a revision of the recommendation, and the Division of Simplified Practice of the National Bureau of Standards, has mailed copies to all interests for consideration and approval. The first revision, which is now proposed, lists only five sizes of pockets, four sizes of bags, and four sizes of cartons, plus two new packages, a round can and a hexagon package. Thus the original variety of 40 sizes of salt packages has been reduced to fifteen.

Allied Chemical Sales Up

H. F. Atherton, president of the Allied Chemical & Dye Corporation, this city, told stockholders at the annual meeting April 28 that sales in the March quarter were about 25 percent above the same period a year ago. April business, he said, was continuing at the same rate.

Trade Briefs

Sharples Solvents Corporation, Philadelphia, has changed its name to Sharples Chemicals, Inc.

Match exports from the United States to Puerto Rico, in 1940, dropped to a value of $54,441 from $217,693 in 1939.

Paul Lewis Laboratories, Inc., manufacturing chemist, Milwaukee, has added Hamilton A. Pinkalla to its chemical staff.

Nicotine factory of the Dai Nippon Nicotin Kogyo K. K., located at Keijo, Chosen, was recently completed and is now in production.

Chicago Paint and Varnish Production Club will be addressed May 5 by Anthony Skeet, director of research for the American Gum Importers Association, on "Recent Research in Natural Resins."

R. N. Chipman Company has moved its main office to 1515 W.W. Tenth avenue, Portland, Ore. Mr. Chipman has been confined to a hospital in Portland, having been injured in an explosion recently at his plant.

Filtrol Company of California address is now 433 South Spring street, Los Angeles.

British Chemical Society held its one-hundredth annual meeting in London April 3.

Federal Color Laboratories, Inc., Cincinnati, Norwood, Ohio, has issued its April price list for dry or flushes colors for all requirements.

Colloidal Minerals, Inc., has been organized in Los Angeles, with a capital of $100,000. The new corporation is represented by L. V. Beaulieu, 2024 West Sixth street, Los Angeles, Calif.

Chlorine gas as a seed disinfectant is the topic of a circular, No. 576, issued by the United States Department of Agriculture. The booklet is obtainable from the Superintendent of Documents, Washington, D. C., at five cents a copy.

Normal F. Revel, formerly with the Mineralia Metals & Ore Corporation, this city, has entered business as a dealer in industrial and pharmaceutical chemicals. His office is in 11 West Forty-second street and the telephone is Longacre 5-6880.

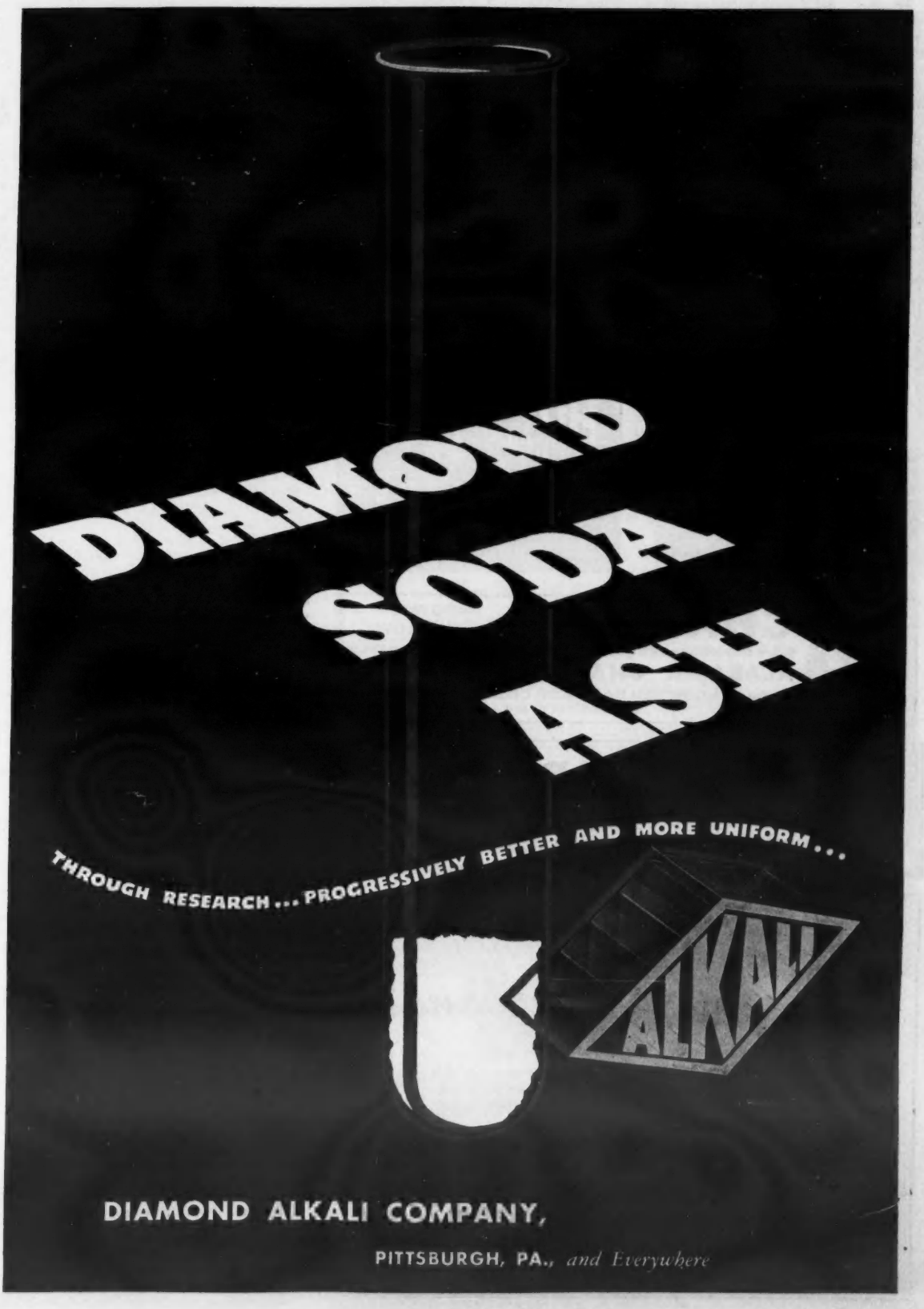
L. Kruger & Co., chemicals, has moved from 507 Fifth avenue to 75 West street, this city. Telephone:—Bowling Green 9-1887 and 8.

U. S. Vanadium Corporation, this city, has purchased vanadium properties, near Moab, Utah, formerly owned by the International Vanadium Corporation.

Compania Industrial Los Reyes S. A., of Mexico city plans to manufacture liquid caustic soda, soda ash, bicarbonate of soda, and calicum carbonate, precipitated.

Pacific Insecticides, Inc., has been organized in Los Angeles, with 100 shares of no par value capital stock. Directors are:—E. N. Rosenfeld, Gertrude Driver and Chester C. Kempley, all of Los Angeles.

Magnesium compounds are to be produced by Compania Rey-Ort S. de R. L.m, Confederacion de Camaras Nacionales de Comercio e Industria, Mexico City. Its plans contemplate production of magnesium carbonate, magnesium oxide, magnesium hydroxide, magnesium chloride and is now producing calcium carbonate, precipitated.



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For platers (note higher copper content in this material). Easy to use. More economical. Two types available; dense, heavy grade; light fluffy grade.
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J. V. Muller Retires

J. Valentine Muller, superintendent of R. & H. chemical department of E. I. du Pont de Nemours & Co. New York warehouses, was given a testimonial dinner by thirty of his associates April 29. Mr. Muller was the first employee in the New York divisions to be retired on pension under the new plan inaugurated April 1, 1941. He served the company for forty-six years, and was formerly traffic manager of R. & H. before the merger with the du Pont company.

Murray Breese Adds D. Olan Meeker to Staff

Murray Breese Associates, advertising and marketing, this city, announces that D. Olan Meeker, B. S. in chemical engineering, M. D., has joined its staff. Dr. Meeker has long been active in medical practice in New York. He is a graduate of Washington University, was staff biochemist at Clifton Springs sanitarium, later graduating in medicine from the University of Rochester, and, still later, holding a two-year surgical appointment on the Cornell division of Bellevue Hospital. He is a diplomate of the National Board of Medical Examiners, author of a number of papers on historical and clinical laboratory medicine and has done considerable original research work in both physics and chemical subjects.

Cordax Corp. Appoints Lange Chief Engineer

Herbert W. Lange, who has been with the Underwriters' Laboratories, Inc., since 1926, has been appointed chief engineer in the fire division of the Cardox Corporation, Chicago. He will direct the engineering activities in connection with bulk carbon dioxide fire extinguishing systems and their applications.

Commerce Chamber Asks Labor Relations Peace

—Continued from page 5

gress, for the purpose of maintaining a consistent tariff policy.

Government Agencies

Congressional action to provide for judicial review of regulations issued through administrative exercise of legislative functions and for the widest possible judicial review of all decisions made by administrative exercise of judicial functions of governmental agencies.

Hawkes Made President

Albert W. Hawkes, president of Congoleum-Nairn, Inc., was elected president for the coming year. Mr. Hawkes for thirty-two years was associated with Nichols Chemical Company and the General Chemical Company. He resigned as executive vice-president of the latter firm in 1926 to accept his present position. Other officers elected were as follows:—

Vice-presidents:—Northeastern, George S. Hawley, president, Bridgeport Gas Light Company, Conn.; Southeastern, Clem D. Johnston, president, Roanoke Public Warehouse, Va.; North Central, Thomas S. Hammond, president, Whiting Corporation, Harvey, Ill.; Northwestern, I. N. Tate, vice-president, Weyerhaeuser Sales Company, St. Paul, Minn.; Southwestern, James F. Owens, president, Oklahoma Gas & Electric Company, Oklahoma City; Western, Eric A. Johnston, president, Brown-Johnston Company, Spokane, Washington.

Treasurer:—Robert V. Fleming, Washington, D. C., president and chairman of board, Riggs National Bank, Washington, D. C.; chairman executive committee:—John W. O'Leary, of Chicago and Washington, chairman of board, Arthur J. O'Leary & Son Company.

Mr. Hawkes started his career forty-six years ago with the Nichols Chemical Company, Chicago. In 1899 he was named Western salesmanager for the General Chemical Company and was appointed salesmanager for the entire company in 1915. He was elected vice-president and director of sales in 1918 and retained this office after the company became part of the Allied Chemical & Dye Corporation. He was appointed executive vice-president in charge of the affairs of the General Chemical Company in 1923, leaving in 1926 to join Congoleum-Nairn, Inc.

Trend After War

Opening the meeting, James S. Kemper, president of the chamber, stated that the political and economic pattern laid down for the nation in the period immediately ahead is almost certain to govern the American manner of life for many years to come. He urged the adoption of three courses of action to meet the problems which will follow termination of the war. They were as follows:—

1. An immediate business program of comprehensive studies to discover and develop new sources of business.

2. Projection of long-range programs by business organizations looking to maximum utilization of community resources and economic assets.

3. Cooperation between government and all technical and research groups in private industry, universities and research associations looking to a sound employment program to fit the reconstruction program.

Wage-Hour Law Suspension

Edgar V. O'Daniel, vice-president of the American Cyanamid Company, New York, urged labor to initiate a movement for suspension of the maximum hours provision of the wage-hour law in order to release a "large number of employees for more essential production and help greatly in mitigating serious labor shortages." In order to combat inflation, he recommended adoption of a tax program to restrict consumer purchasing power by increasing levies on larger earnings and income accruing from the defense program, as well as a drastic curtailment of nondefense expenditures and government lending.

Defense Program Progress

Progress of the defense program was reported on by John D. Biggers and Donald M. Nelson, directors of production and purchases, respectively, of the Office of Production Management. Mr. Biggers told the chamber that production of war materials has been increased enormously, more than it had been thought possible in the length of time since the defense program started, but warned that more and more speed will be required if the challenge to the American way of living is to be met.

Mr. Nelson warned that it will be physically impossible for the United States to carry on the defense program and still maintain "anything resembling business as usual."

McLaughlin Gormley King Sales Head C.L. Schroeder

C. L. Schroeder, vice-president of the McLaughlin Gormley King Company, Minneapolis, has been appointed general sales manager for the company. Mr. Schroeder has been in charge of the sales of the food products division of the company for the past four years. He will now also have charge of sales of the company's insecticide division.

C. L. Schroeder

The McLaughlin Gormley King organiation is credited with developing the first standardized pyrethrum concentrate and was a pioneer in the development of pyrethrum insecticides.

Thiokol Corp. Completes New Unit in Michigan

Thiokol Corporation and the Dow Chemical Company have opened for production a new plant in Midland, Mich., the location of the main works of the latter company. The new Thiokol plant is understood to have a capacity of more than 150,000 pounds monthly, which together with other Thiokol plants now operating and planned will turn out 6,000,000 pounds of synthetic rubber annually. Production capacity of the two units, it is reported, exceeds 330,000 pounds of 'Thiokol' monthly. Plans for the construction of another unit are being formulated. This unit would increase present total production capacity by 50 percent.

Anhydrous Ammonia Properties And Uses Discussed

A new sixteen-page booklet entitled "Mathieson Anhydrous Ammonia" has recently been announced by the Mathieson Alkali Works. Some of the subjects covered in detail are the chemical and physical properties of liquid anhydrous ammonia, including curves on pressure and temperature relations, density of liquid ammonia and solubility of ammonia in water; ammonia containers and their safe handling; withdrawing ammonia from containers and from the system; piping and valves; ammonia leaks; physiological effects of ammonia; and first aid measures in case of serious injury or exposure. Copies of this new Mathieson booklet are available to consumers by writing the company at 60 East Forty-second street, New York, mentioning the REPORTER.

Drums of Foreign Origin Subject to Export Rule

Drums of foreign manufacture used for the shipment of acids or other chemical actually exported from the United States are entitled to free entry under the provisions of paragraph 1615, tariff act of 1930, when returned to the United States refilled with acids or other chemicals provided proof of the identity thereof is made under regulations prescribed by the Secretary of the Treasury. The United States Customs Court, Third Division, in Rueff v. United States, has held these regulations to be mandatory.

The regulations prescribe that exporters of foreign manufactured drums shall file with the collector of customs at least six hours before lading on exporting vessel a notice of intent to export so that such merchandise may be verified and a certificate of exportation issued, a copy of which is forwarded to the American consul at the foreign port of destination. Compliance with this requirement, the customs court held, constitutes a condition precedent to the free entry of returned foreign drums under the provisions of paragraph 1615.

Dyestuffs, Textile and Leather Chemicals

Domestic Egg Albumen and Imported Yolk Prices Higher —Sago and Tapioca Flour Firmer—Wattle Barks Up —Sulphonated Tallow and Potato Starch Advanced

A further strengthening in the prices occurred in the market for dyestuffs, textile and leather chemicals. The majority of the changes were confined to sizing materials where imported products reflected the limited supplies and higher replacement costs. In some items sellers refused to take future bookings until the problem of shipping and costs could be clarified. Demand continued steady for several materials.

Egg products resumed their upward trend, the advance was largely influenced by the government purchases in the shell egg market. The upward trend in tallow sulphonated oils was brought about by higher raw material costs. African wattle barks were slightly higher. Sago and tapioca flour continued to show the effects of restricted shipping facilities in the Far East.

Demand for bichromates was comparatively heavy. This caused a firming in the export market, with one producer restricting export business in view of the domestic situation. Supplies of imported raw materials were adequate for domestic needs, however, uncertain shipping accommodations prompted a more cautious policy in regard to export business.

Chemicals

Alumina Acetate. — Buying steady and moderate. Prices rule firm.

Alumina Chloride.—Steady to firm price tone. Good inquiry.

Ammonia Acetate. — Commitments routine. Prices underwent no change.

Antimony Salts.—Quiet conditions prevailed and prices held the same.

Chrome Acetate.—Prices unchanged and firm. Consumers made fair-size replacements.

Potash Bichromate.—Demand good. A firming noted in export market. Prices remain unchanged.

Potash Prussiate.—A moderate inquiry prevailed for the yellow; offerings of red small. Prices firm.

Soda Bichromate.—Domestic business held at good levels. Offerings for export were more restricted, and prices in outside market were firmer. February exports 1,387,302 pounds.

Soda Prussiate.—Usual consumers entered the market steadily for nearby needs. Prices failed to change.

Sulphonated Oils.—Prices for various grades of tallow advanced ¼c., while a firmer tone was evident for the castor and olive. Business steady.

Zinc Dust.—Market a routine affair. Prices unchanged and firm.

Dyestuffs

Annatto.—Demand lacked broadening, while prices remained unchanged.

Cochineal. — Buying narrow. No change occurred in the prices.

Fustic. — Shipments moderately active. Prices continued firm.

Hypernic. — Transactions routine. Tone of market was firm.

Indigo.—Commitments conservative. Prices unchanged and firm.

Logwood.—A steady inquiry prevailed and prices held at previous levels.

Madder Dutch.—Business dull. Quotations lacked change.

Turmeric. — Spot offerings were limited and market was strictly nominal.

Sizing Materials

Albumen, Blood.—Demand steady. Market retained its firm position.

Albumen, Egg.—Domestic advanced 5c. per pound making crystal 85c. to 90c. per pound. Supplies of imported negligible. Good inquiry.

Price Changes

Advanced

Egg albumen, dom., 5c. per lb.
yolk, imp., 1c. per lb.
Sago flour, ¼c per lb.
Starch, potato, ¼c. per lb.
Tallow oil, sulphonated, ¼c. per lb.
Tapioca flour, ¼c. per lb.
Wattle bark, 25c. per ton.

Reduced

None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
176.8	172.4	163.6	143.4

Market news that may have developed after this report was sent to press will be found on page 4.

Corn, Sugar. — Shipments maintained at steady levels. Prices hold firm.

Dextrin, Corn.—Business continued fairly steady, and market was firm.

Dextrin, Potato.—A firm tone governed the market, and buying was well sustained.

Egg Yolk.—Imported advanced 1c. ranging from 67c. to 69c. per pound; domestic prices remain unchanged and firm. Steady interest.

Sago Flour.—Prices ¼c. higher at 4½c. to 5c. per pound. Supplies limited and future bookings restricted.

Starch, Corn. — Demand steady. Prices remain firm. Visible supplies of corn in week ended April 26 decreased 2,521,000 bushels.

Starch, Potato.—Market advanced ¼c. ranging from 5c. to 5½c. per pound. Good inquiry.

Starch, Rice.—Steady to firm price tone. Business fairly steady.

Starch, Wheat.—Price continued the same, with tone firm. Withdrawals moderately active.

Tapioca Flour. — Quotations ¼c. higher at 4¼c. to 5½c. per pound. Supplies limited, reflecting shipping difficulties at primary markets.

Tanning Materials

Chestnut Bark. — Shipments held steady and market was firm.

Cutch.—Rusiness routine. Pricewise a firm tone predominated.

Divi-Divi.—Prices held the same, and inquiries were satisfactory.

Gambier.—Spot supplies small, and future replacements remain uncertain. Prices nominal.

Hematine. — Moderate call. No change developed in the prices.

Hemlock.—A fairly steady interest prevailed to keep market firm.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Tanners' Council, May 8-9, White Sulphur Springs, W. Va.
American Ass'n Textile Chemists and Colorists, Oct. 31-Nov. 1, Pinehurst, N. C.

Mangrove Bark. — Market lacked any price change, while buying was moderate.

Oakbark.—Shipments moved steadily against contracts. Prices rule firm.

Osage Orange. — Usual consumers provided the call for nearby needs. Prices unchanged.

Quebracho.—A steady inquiry remained in evidence. Market position firm.

Quercitron.—Transactions moderate. Prices without change.

Spruce Extract. — Buying steady. Prices underwent no alteration.

Wattle Bark.—Prices 25c. higher, ranging from $39.50 to $41.50 per ton. Moderate inquiry.

N.Y. Textile Chemists Told of Costing

A system of cost accounting for the textile dye house was described by F. A. Prisley, of the Hayward-Schuster Woolen Mills, East Douglas, Mass., at a meeting of the New York section of the American Association of Textile Chemists and Colorists in the Chemists' Club, this city, April 25. Mr. Prisley comprehensively described illustrations of a sheet system which is employed in his plant to keep a record of the amounts of dyestuffs, dyeing auxiliaries, and stripping chemicals consumed in the dyeing of piece goods.

The next meeting of the section will be held May 23 in the Swiss Chalet, Rochelle Park, N. J. J. O. Amstuz, chief engineer for the Manning Corporation, Troy, N. Y., will speak on "The Electrocoating of Fabrics." The section will hold its annual outing June 20 at the North Jersey Country Club, Preakness, N. J. Max V. Kaesche, of Sandoz Chemical Works, is chairman of the outing committee.

Chile Invites U.S. Firms To Show at Trade Exposition

OPD Washington Bureau
April 28, 1941

Participation by United States firms in the National Exposition of Industries and Commerce to be opened in Santiago in November has been invited by the Chilean government, the Department of Commerce announced today. Information reaching the Department of Commerce indicates that exhibits of United States products at recent similar expositions in South America have been instrumental in creating good will and gaining some commercial advantages for the exhibitors. Firms intending to participate in the exposition should communicate with the Chilean Embassy in Washington direct, or through the Departments of State or Commerce for detailed information.

A.A. Lubitz to Direct Gulton Metal Corp. Sales

Allan A. Lubitz, president of the American Firstoline Corporation, Long Island City, announces that he has taken over the general sales management for the domestic and export markets of the Gulton Metal Refining & Chemical Corporation, Metuchen, N. J., manufacturer of nonferrous metals.

The chemical division of the company manufactures French process zinc oxides for all pharmaceutical, cosmetic and industrial purposes, red iron oxide, venetian red, synthetic ocher, sodium sulphate, calcium sulphate, epsom salt, aluminum sulphate, zinc carbonate, etc.

California Oxygen Service Company is the firm name under which Frank A. Yaeger has obtained a certificate to conduct business at 1463 Glendale boulevard, Los Angeles.

Natural Products Refining Co.
910 Garfield Avenue,
Jersey City, N. J.
Natural
Natural BICHROMATES

SODIUM ACETATE
—GRADES AVAILABLE—
Technical 60% Sodium Acetate
"Sodacet"* Special 90% Sodium Acetate
Anhydrous Sodium Acetate, 98-99.5%
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(33-35% Acidity as Acetic Acid)
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SHORT BOILING RANGES ✓
EVEN EVAPORATION RATES ✓
BETTER SOLVENT POWER ✓

CHECK BARRETT LIGHT OIL DISTILLATES on all these points

Short boiling ranges of desired temperatures permit quick completion of evaporation or drying processes and reduce loss of solvents in recovery operation. These are advantages which appeal to production engineers and chemists.

Comparative tests of Barrett Light Oil Distillates and other solvents reveal the desirable short boiling ranges, the even evaporation rates and the superior solvent power of these Barrett coal-tar solvents. They include Benzols, Toluols, Xylols, Solvent Naphtha and Hi-Flash Solvent with a wide range of initial and end points.

Write for our convenient specification chart and for complete information on Barrett coal-tar solvents. We will gladly cooperate with you in selecting the most suitable solvent or in developing special solvents for your purpose. Inquiries are invited.

THE BARRETT COMPANY, 40 Rector Street, New York, N. Y.

BENZOL
TOLUOL
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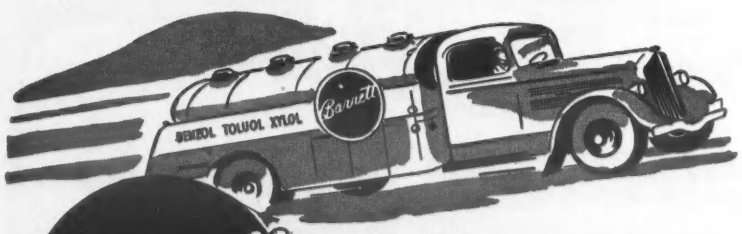

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Within a radius of 50 or 60 miles of 13 important industrial cities, Barrett Benzols, Toluols, Solvent Naphtha and Xylols are delivered direct to customers in express tank trucks. Ask us about this time-saving, money-saving service.

Coaltar Chemicals

Business Allocated in Tar Acids and Phthalic Anhydride —Resumption of Coal Operations Relieves Uncertainty —Light and Tar Oil Recovery Gained During March

Demand for tar acids and phthalic anhydride continued heavy in the market for coaltar chemicals last week. Many sellers were forced to allocate business to take care of regular consumers. Some pressure was removed by the resumption of soft coal operations, which, during the month of April, slowed down coke and steel mill operations. However, it may cause some repercussions before adequate supplies of coal come out of the mines to restore capacity operations at furnaces that were shut down. Steel operations dropped to 94.3 percent of capacity, against 95 percent the preceding week and 99.2 percent a month ago.

By-product plants produced 3,954,875 tons of coke in March, an increase of 71,663 tons. Merchant by-product plants' output totaled 1,144,434 tons. Total by-product stocks stood at 1,337,296 tons on April 1, which were equivalent to 8.3 days' production. Coke was made at 85 plants of which 80 made ammonia; 57 benzol; 53 toluol, and 31 naphthalene, according to the Bureau of Mines.

Light oil recovery during March approximated 20,468,007 gallons, compared with 18,433,048 in February, and 16,672,441 gallons in March, 1940. For the first three months this year output totaled 59,095,433 gallons, against 50,335,426 in the similar period a year ago. Tar oil production amounted to about 62,048,678 gallons in March, against 55,879,207 gallons in February and 50,541,981 gallons in March last year. Output during the first three months aggregated 179,145,975 gallons, as compared with 141,540,610 gallons in the like period last year.

Basic Products

Benzol.—Business steady. Prices unchanged and firm. March output 13,305,000 gallons, against 11,765,000 in February and 9,952,000 gallons in March, 1940. First three months production totaled 38,200,000 gallons, compared with 31,071,000 in like period year ago.

Coaltar.—Firm price tone, with shipments moderately active. February exports 66,994 gallons.

Creosote Oil.—Replacement buying well sustained, and market position firm. February exports 30,769 gallons.

Cresols.—Active inquiry, with sellers booked solidly against contracts. Prices firm.

Cresylic Acid. — Market position tight, with business confined to regular consumers. Domestic prices firm; offerings of imported small ranging from 85c. to 90c. per gallon.

Naphthalene. — Refined prices hold the same; shipments of crude steady and market firm. March output 6,557,000 pounds, against 5,728,000 in February.

Phenol. — Some sellers allocating business as demand exceeds available supplies. Prices firm. February exports 236,472 pounds.

Pitch, Coaltar.—Routine movement. Prices lack change. February exports 258 tons.

Pyridin. — Market firm. Buying steady against contracts.

Tar Acid Oils.—Moderate demand. No change occurred in the prices.

Toluol.—Buying brisk. Prices unchanged and tone firm. March output 2,348,000 gallons, against 2,122,000 gallons in February. February exports 3,517,692 pounds.

Xylol.—Interest continued steady, and market held its satisfactory position. February exports 4,568 pounds.

Chicago Coaltar Bases

Increasing interest is being shown by buyers in various products in the coaltar bases materials. Inquiries have picked up. Orders also are good. Benzol movement is active. There is a good tone in toluol and xylol. Ruling prices exclusive of tax are:—Benzol, 90 percent, 14c. to 15c. per gallon; motor benzol, nearby refineries, 8½c. to 9c.; toluol, 27c.; 10-degree xylol, 26c.; solvent naphtha, 26c.; creosote oil, grade 1, 13½c. to 14c.

Price Changes

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
126.6	126.6	126.6	127.3

Market news that may have developed after this report was sent to press will be found on page 4.

Hydrogenated Solvents

Cyclohexane. — Prices unchanged and firm. Steady inquiry.

Cyclohexanol.—Shipments moderately active, and prices remain the same.

Methylcyclohexanone. — Interest well sustained and tone of market firm.

Coaltar Acids

Anthranilic. — Demand moderate. Refined and technical prices firm.

Benzoic.—Steady interest. Prices display firmness.

Broenner's.—Usual consumers provided a satisfactory replacement call.

Cleve's.—Prices unchanged and firm with transactions routine.

Fumaric.—Steady buying movement while prices held firm.

Gamma.—Market in firm position with takings fairly steady.

H.—Market strictly a routine affair. Quotations firm.

Laurent's.—A moderate business was reported and prices were the same.

Maleic.—Shipments well sustained and market in strong position.

Malic.—Business moderately active. No change occurred in the prices.

Picramic.—Inquiries steady. Nothing new developed in the prices.

Picric.—Purchases steady. Price-wise a firm tone prevailed.

Salicylic.—A satisfactory demand continued for the technical material.

Succinic.—Trading usually confined to regular channels. Prices without change.

Sulphanilic.—Commitments were in moderate volume to keep market firm.

Tobias.—Buying fairly steady. A firm tone governed the dealings.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Syn. Organic Chem. Mfrs. Ass'n, June 4, Skytop, Pa.
Insecticide, Disinfectant Mfrs., June 9-10, Chicago.

Other Intermediates

Alphanaphthol. — Buying steady. Prices unchanged and firm.

Alphanaphthylamine. — Shipments moved well against contracts. Prices without alteration.

Anilin.—Business steady. No change disclosed in the prices with tone firm. February exports 231,065 pounds.

Anthraquinone. — Prices held firm, while dealings were steady.

Benzaldehyde. — A firm price tone characterized the trading. Movement of technical moderately active.

Benzidin Base.—A steady inquiry prevailed, while prices held unchanged.

Betanaphthol.—Good demand. Nothing new occurred in the quotations. February exports 28,030 pounds.

Diethylanilin. — Withdrawals moderate. Prices retained their firmness.

Dimethylanilin. — Active demand. Prices unchanged and tone firm. February exports 279,387 pounds.

Dinitrobenzene.—Shipments steady. Prices rule firm.

Dinitrochlorobenzene. — Market in firm position, with shipments good against contracts.

Dinitronaphthalene. — Inquires and shipments well maintained. Prices firm.

Dinitrophenol.—Purchases moderate and steady. Prices without change.

Dinitrotoluene. — No new price developments. Business fairly steady.

Diphenyl. — A moderate call remained in evidence. Quotations unchanged.

G. Salt.—Transactione were routine. Prices underwent no change.

Metanitroparatoluidin. — Withdrawals conservative as a rule. Prices unaltered.

Nitrobenzene. — Shipments steady. Prices unchanged and tone firm.

Nitronaphthalene. — The call was fairly active, and market position firm.

Orthoanisidin. — Steady to firm price tone. Business irregular.

Orthochloroanilin. — Spot and contract purchases steady. Prices firm.

—*Continued on page* 38

Proprietary Ass'n To Meet May 12-14

—*Continued from page* 3

"Iron Studies. I. Absorption," Dr. J. C. Munch, Upper Darby, Pa.

"Fungicidal Studies of Some Products Commonly Used in Foot Baths," by Miss Stella M. Costigan, of General Laboratories, Philadelphia.

"Methods for Determining Potential Hypersensitivity of Chemical Products," by Dr. H. D. Pease, Pease Laboratories, Inc., New York.

Round table discussion, by Dr. F. J. Cullen, executive vice-president of the Proprietary Association.

Foreign Trade Section

May 12, 2 p.m.

Charles C. Concannon, Bureau of Foreign and Domestic Commerce.

"Opportunity Still Exists in the Foreign Trade Field," William Vollmer.

Veterinary Section

May 12, 6:30 p.m.

Dinner meeting. Speaker:—Dr. Benjamin Schwartz, chief of the Zoological Division, Bureau of Animal Industry, Department of Agriculture.

First General Session

May 13, 10 a.m.

Appointment of committees.

Reception of guests, including reception of representatives from the Proprietary Association of Canada.

Report of the membership committee, and welcoming of new members, by Fred E. Weiss, chairman.

Address, Charles S. Beardsley, president.

Fellowship luncheon.

Advertising Section

May 13, 2:30 p.m.

Opening of the session by Wm. Y. Preyer, chairman of advisory committee on advertising.

Address by Hon. Charles A. Halleck, Republican member of Congress from Indiana.

Report on the activities of the advisory committee on advertising, F. J. Cullen, M.D.

Question and answer period.

Second General Session

May 14, 10 a.m.

Report of scientific section meeting, Dr. George F. Reddish, chairman.

Report of veterinary section meeting, Stewart B. Mein, chairman.

Report of transportation committee, George Griffith, chairman.

Report of foreign trade section meeting, J. D. Bohan, chairman.

Address by the Hon. Paul V. McNutt, Federal Security Administrator.

Fellowship luncheon.

Third General Session

May 14, 2:30 p.m.

Report of legislative committee, Dr. Wm. E. Weiss, chairman.

Report of general counsel, James F. Hoge.

Report of executive vice-president, F. J. Cullen, M.D.

Report of committee on publicity and public relations, Fred E. Rathburn, chairman.

Report of auditing committee.

Report of committee on deceased members.

Report of finance committee.

Report of nominating committee.

Loft, Inc., Merger With Pepsi-Cola Planned

A plan for the merger of Loft, Inc., and Pepsi-Cola Company has been approved by directors of both companies, and special meetings of stockholders to vote on the proposal has been called for May 29. Assent of two-thirds of the outstanding stock of each company is necessary to consummate the merger program.

Naugatuck Has New Fungicide

Naugatuck chemical division of the United States Rubber Company, Akron, has developed a new synthetic organic compound, called 'Spergon,' which it was claimed would destroy the dangerous fungi present in all soils and without damage to normal bacteria or to the seed themselves. Results claimed the prevention of seed decay with consequent increase in germination.

Strategic Metals Output In U.S. Held Costly

—*Continued from page* 5

said, this country only produced 5 to 6 percent of domestic consumption of manganese; 0.2 percent of tin consumption; 0.5 percent of nickel; 1 percent of chromium; 10 percent of antimony; 40 percent of mercury, and 50 percent of tungsten.

The primary reason why there has been so little domestic production, Dr. Finch stated, is that it has not been economically feasible to develop and mine domestic deposits, and it has been much cheaper to import these metals and their ores from foreign countries, where wages, transportation, and other costs are much lower than in this country.

While there has been improvement in some cases in the strategic materials position during the 25 years since the last war, Dr. Finch said, the position has been aggravated in others by "the increasing certainty that we are hopelessly destitute in some of them."

Columbia Offering Free Defense Training Courses

—*Continued from page* 5

istry is required for admission to "Chemistry of Powder and Explosives B," a course covering commercial explosives, nitric esters, smokeless powder, primer explosives, detonators, and pyrotechnics which will be given for twelve weeks, three evenings from 6 to 10 p. m. beginning May 19.

"Metallurgical Inspection," a course to train men now employed in inspection work in this district for increased responsibility and improved efficiency, will begin on May 5 and will continue for eight weeks on two evenings from 7 to 9:30 p. m.

L. J. Gumpert, director of sales for B. T. Babbitt, Inc., has been elected a member of the board of the Differential Wheel Corp., Detroit.

TAR ACIDS

Phenol · Cresol Cresylic Acid

TAR ACID OILS

KOPPERS CHEMICALS AND SOLVENTS

Benzol (all grades) . . . Toluol (Industrial and Nitration) . . . Xylol (5°, 10° and Industrial) . . . Solvent Naphtha (including High Flash) . . . Naphthalene . . . Shingle Stain Oil . . . Refined Tars . . . Pitch Coke . . . Industrial Coal Tar Pitches . . . Flotation Oils . . . Creosote

OTHER KOPPERS PRODUCTS

Coal Tar Roofing Materials . . . Waterproofing and Dampproofing Materials . . . Tarmac Road Tar Materials . . . Bituminous Base Paints . . . Coal . . . Coke . . . Benzol Recovery Plants . . . Naphthalene Removal Apparatus . . . Sulphur Recovery Apparatus . . . Phenol Removal Apparatus . . . By-Product Recovery Apparatus Fast's Self-aligning Couplings . . . Piston Rings . . . Valves . . . Pressure-treated Lumber

PHENOL—All Standard grades such as 82% and 90% and 39° Melting Point Pure.

CRESOL—U.S.P. with very close cut distillation range and light color, for pharmaceutical purposes—Mesta-Para Cresol with high meta cresol content—Resin cresols close cut to wide boiling with guaranteed meta cresol contents and clean odor.

CRESYLIC ACID—Many distillation ranges appropriate for all established uses—pale color—clean odor—total impurities besides water not exceeding one half of one per cent.

TAR ACID OILS—Frozen crystal free at 0°C.—good emulsion-forming properties—low benzophenol content appropriate for low to high coefficiencies with tar acid contents as required.

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SOME TYPICAL USES:

SYNTHETIC RESINS
ANTISEPTICS
DRUGS
DISINFECTANTS
PLASTICIZERS
DYES
SOLVENTS
EXPLOSIVES
PERFUMES
PHOTOGRAPHIC DEVELOPERS
SOAP
RUBBER RECLAIMING AGENTS
LACQUER
ANTI-OXIDANTS
OIL PURIFICATION
ANIMAL DIPS
INEXPENSIVE DISINFECTANTS
FLOTATION PROCESSES
INSECTICIDES

KOPPERS

Coaltar Chemicals

Other Intermediates

—*Continued from page* 37

Orthochlorophenol. — Commitments moderate, and prices failed to change.

Orthocresol. — Brisk inquiry, and market continued in strong position.

Orthodichlorobenzene. — Buying remained steady, and prices held firm.

Orthonitroanilin. — Business usually held to regular channels. No change in the prices.

Orthonitroparachlorophenol. — Dealings moderate. Prices unchanged.

Orthonitrotoluene. — Inquiries reached market steadily and prices remain firm.

Orthophenetidin. — Usual consumers made replacements consistently.

Orthotoluidin.—Firmness characterized the trading and buying held steady.

Parachlorophenol. — A moderate buying movement kept the market in satisfactory position.

Paranisidin.—Purchases maintained at fair levels. Prices unaltered.

Paranitroanilin.—Steady inquiry. Pricewise a firm tone predominated.

Paranitrochlorobenzene. — Withdrawals moderately active and prices lacked change.

Paranitrophenol.—Market firm and shipments steady to usual channels.

Paranitorotoluene. — Inquiries and shipments well sustained. Prices firm.

Paratoluidin.—Prices unchanged and firm. Buying steady.

Phthalic Anhydride.—Inquiries exceeded available supplies and shipments were falling behind. Business usually held to regular channels. Prices firm.

R. Salt. — Transactions routine. Nothing new occurred in the prices.

Schaeffer's Salt.—The call was moderate and prices failed to change.

Thiocarbanilide.—Business continued steady. Prices unchanged and firm.

Toluidin.—Market position firm. Withdrawals good.

Xylidin.—A steady to firm price tone prevailed, while shipments were steady.

Coaltar Colors

A steady inquiry prevailed in the market for various coaltar colors last week. Shipments moved moderately on spot and against contracts to virtually all consuming channels. Activity in the textile industry provided a good proportion of the business. Exports held up well, with shipments during February 2,181,608 pounds, most of which went to Canada, Argentina, British India and Netherland Indies. Prices were steady to firm.

Export Managers Club will be addressed at a luncheon-meeting in the Hotel Pennsylvania, this city, May 6 by Alexander Goldstein on "American Trade With Turkey."

Trade Briefs

National Aniline & Chemical Company, this city, has awarded a contract for $100,000 for construction of a unit to its Buffalo plant.

Sam Klein of the Calco chemical division of the American Cyanamid Company is vacationing in Honolulu. He will return about mid-May.

R. C. Oberdahn, director of training, Calco chemical division of the American Cyanamid Company, this city, addressed the annual Spring meeting of the Chatham High School Association, Chatham, N. J., on April 29. Mr. Oberdahn chose "My First Job" as his subject.

J. B. Siege, formerly secretary of Crowley Tar Products Company, has joined the Industrial Solvents Corporation, White Plains, N. Y., as general manager. The Reporter, April 28, incorrectly stated that Mr. Siege was now general manager of Crowley Tar Products.

Metals Inventories Regulated by OPM

—*Contniued from page* 5

Iridium (one of the platinum metals, used as a hardening agent for platinum, in manufacture of surgical tools, etc.).

Iron and steel products, including rolled, drawn, forgings, castings and pig iron.

Lead.

Manganese or spiegeleisen (necessary in steel making).

Mercury (military uses include manufacture of fulminate for explosives, drugs, anti-fouling paint for ship bottoms, and for many important industrial uses).

Molybdenum (used for making special alloy steels; useful for making high-speed cutting-tool steels).

Nonferrous alloys, all types (including brass and bronze).

Tin.

Vanadium (used in the production of special alloy steels and irons).

Secondary metals, or scrap, containing any of the metals listed or already subject to control, prepared for sale in order to recover the metal content thereof.

Two other appointments to the executive staff of the Priorities Division have been announced by Mr. Stettinius. Dr. Harry S. Rogers, president of the Polytechnic Institute of Brooklyn, has been named chairman of the general products group. Joseph L. Overlock, vice-president of the Continental-Illinois National Bank & Trust Company, Chicago, has been appointed to the staff and will work with the assistant director of priorities in charge of operations.

William B. Eisendrath, president of the Monarch Leather Company, Chicago, has been appointed as producers' represnetatives of the hides, skins and leather priority committee, succeeding Ralph Pope, president of the Northwestern Leather Company Trust, Boston.

CRESYLIC ACID 97-99% Pale

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Low Temperature Carbonisation, Ltd.
ENGLAND

Largest manufacturers in the World of low temperature tar acids of the highest possible degree of purity and efficiency.

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Guide to Materials That Are Suitable for Various Purposes in Chemical Converting, Compounding, and Processing Industries

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Photography

Plasticizers Used in Making Photographic Films from Cellulose Esters or Ethers

(Continued from April 28 issue)

Diphenyl-phosphoric acid phenylanilide
Diphenyl-phosphoric acid phenylester
Diphenyl-phosphoric anilide
Diphenylamine
Diphenylbenzidin
Diphenylethane
Diphenylmethane
Diphenylurea
Di-N-propylsulphone
Dodecyl acetate
Docecyl alcohol
Dodecyl oleate
Edistin
Eleaolphthalic acid dibutylester
Eleaolphthalic acid diisobutylester
Erganol
Ergol
Erythritol
Erythritol acetate
Erythritol benzoate
Erythritol formate
Erythritol maleate
Erythritol nitrate
Erythritol oxalate
Erythritol phthalate
Erythritol succinate
Estsrs of 2-benzoylbenzoic and related acids
Ethox
Ethoxyacetylborneol
Ethoxyacetylmenthol
Ethoxyacetylsantalol
Ethoxyethyl phthalate
Ethoxymethyl acetoxymethylphthalate
Ethyl abietate
Ethyl acetylsalicylate
Ethyl adipate
Ethyl butyrate
Ethyl carbamate
Ethyl carbanilate
Ethyl carbonate
Ethyl cinnamate
Ethyl dicresylphosphate
Ethyl dinaphthylphosphate
Ethyl diphenylphosphate
Ethyl meta-amidosulphobenzoate
Ethyl metanitroparaamidobenzoate
Ethyl oleate
Ethyl orthoamidmsulphobenzoate
Ethyl oxalate
Ethyl oxamate
Ethyl oxanilate
Ethyl palmitate
Ethyl parasulphoamidobenzoate
Ethyl paratoluenesulphoamidoacetate
Ethyl paratoluenesulphoethylanilide
Ethyl paratoluenesulphonate
Ethyl phosphate
Ethyl phthalamate
Ethyl phthalaniliate
Ethyl phthalate
Ethyl pimelate
Ethyl propionate
Ethyl salicylate
Ethyl sebacate
Ethyl stearate
Ethyl suberate
Ethyl trichloroisobutylacetylsalicylate
Ethyl trichloroisopropylacetylsalicylate
Ethylacetanilide
Ethylaceto-orthonitrochloroanilide
Ethylacetyltetrachloroanilide, asymmetrical
Ethylanilide
Ethylanilide phosphate
Ethyleneglycol monoethylether
Ethyleneglycol monoethylether formate
Ethyleneglycol monoethylether phthalate
Ethyleneglycol monomethylether formate
Ethyleneglycol monomethylether phthalate
Ethylglycol acetate
Ethylglycol phthalate
Ethylidene 3-carboxylate
Ethylmethylsulphone
Ethylnaphthyl ether
Ethylphthalyl ethylglycolate
Ethylpentachloranilide
Ethylphenylurea
Ethyltetrachloranilide
Ethyltrichloroanilide
Ethylurea
Eugenol
Eugenol benzylether
Exalgin
Formalerythritic ether
Formanilide
Formic acid phenolic esters
Formylamidophenyl amylcarbonate
Formylamidophenyl ethylcarbonate
Formylamidophenyl isobutylcarbonate
Formylamidophenyl methylcarbonate
Formyldiphenylamine
Gliadin
Globulin
Glucose diacetate
Glucose dibutyrate
Glucose distearate
Glucose ditartrate
Glucose pentacetate
Glucose tetratartrate
Glucose triacetate
Glyacol
Glycerin acetate
Glycerin acetylsalicylate
Glycerin benzoate
Glycerin benzoic esters
Glycerin formate
Glycerin maleate
Glycerin monoformate
Glycerin nitrate
Glycerin oxalate
Glycerin phthalate
Glycerin succinate
Glycerin triacetate
Glyceryl paratoluenesulphonate
Glyceryl triacetate
Glyceryl tricarbonate
Glycerylparatoluenesulphethylanilide
Glycol benzoate
Glycol hydrocinnamate
Glycol hydropate
Glycol monomethylphthalate
Glycol orthochlorobenzoate
Glycol orthotoluate
Glycol paranitrobenzoate
Glycol phenylacetate
Glycol phenyldiethylacetate
Glycol phenyldiethylcarbinacetate
Glycol phenylethylacetate
Glycol phthalate
Glycol salicylate
Guaiacol phenylether
Guanidin
Guanidin nitrate
Heptyl 2-benzoylbenzoate
Hexachloroethane
Hexadecyl acetate
Hexadecyl alcohol
Hexahydro-orthocresol
Hydropalat AB
Hydrophthalic acid dibutylester
Hydrophthalic acid diethylester
Hydroquinone
Hydroxyethoxydiethyl monoacetate
Hydroxyethoxydiethyl phthalate
Indene
Isoamyl benzylbenzoate
Isoamyl benzoylglycolate
Isoamyl resinate
Isoborneol butyrate
Isoborneol formate
Isoborneol oxalate
Isoborneol salicylate
Isobutyl benzoate
Isobutyl glycolate
Isobutyl phthalate
Isobutyl tartrate
Isopropyl tartrate
Kronilyn
Kronite
Kronitex
Kronitone
Lactanilide
Lactylamidophenyl amylcarbonate
Lactylamidophenyl ethylcarbonate
Lactylamidophenyl isobutylcarbonate
Lactylamidophenyl methylcarbonate
Levulose diacetate
Levulose dibutyrate
Levulose distearate
Levulose ditartrate
Levulose pentacetate
Levulose tetratartrate
Levulose triacetate
Linolyl acetate
Lindol
Linseed oil
Menthol ethoxyacetate
Menthol ethoxychloroacetate
Menthol methoxyacetate
Menthol methoxychloroacetate
Menthyl acetate
Metadinitroxylene
Methox
Methoxyacetylborneol
Methoxyacetylmenthol
Methoxyacetylsantalol
Methoxyethyl phthalate
Methyl abietate
Methyl acetoxymethylphthalate
Methyl acetylsalicylate
Methyl adipinate
Methyl azaelate
Methyl carbamate
Methyl carbanilate
Methyl dicresylphosphate
Methyl dinaphthylphosphate
Methyl diphenylphosphate
Methyl furoate
Methyl oleate
Methyl oxalate
Methyl oxamate
Methyl oxanilate
Methyl palmitate
Methyl phthalate
Methyl phenoxyethylphthalate
Methyl phosphate
Methyl pimelate
Methyl sebacate
Methyl stearate
Methyl suberate
Methylacetanilide
Methylacetyltrichloroanilide
Methylanilide
Methylanilide phosphate
Methylbenzyl ether
Methylcyclohexanol
Methylcyclohexanol oxalate
Methylcyclohexanol stearate
Methylcyclohexyl acetate
Methylcyclohexyl adipinate
Methylcyclohexyl carbonate
Methylcyclohexyl phthalate

(To be continued)

Paint, Varnish, Lacquer Materials

Ordering of Raw Paint Materials Still Brisk — Deliveries of Certain Pigments Slowed by Heavy Demand—Domestic and Argentine Casein Higher—Turpentine Easier

Prominent producers of raw paint materials last week continued to experience better than normal trade. Pigments were moving in large volume, especially titaniums and zinc oxides, and in many cases deliveries were being held up by the press of business. Orders for dry colors were large, and included both contract call and new business. Various stearate driers were strong, although no changes in list prices were reported. Casein demand was good and domestic production small. Prices were advanced for both domestic and Argentine material.

Business in rosin and turpentine was fairly active last week although consumers were not disposed to purchase ahead to any material extent, preferring to adhere to a conservative course pending further developments in the markets for other commodities as well as in political affairs at home and abroad. The movement to consumers and dealers on contracts, however, apparently held up well. With production on the increase the indications pointed to a gradual broadening of the movement to market and the tone in the South was easier.

Metallic Lead and Zinc

Volume of pig lead sales held to satisfactory levels last week, with inquiries reported exceeding the large volume of production. There is believed little possibility of development of a shortage in the metal, although in some directions a long waiting list remains. Price was steady and unchanged. The slab zinc situation remained unchanged, with available supplies strictly allocated.

Lead.—Prevailing spot prices at New York, St. Louis and London for the period from April 26, to May 2, inclusive, were as follows:—

	Pigs: Per pound New York.	Pigs: Per pound E. St. Louis.	Spot. London. Per ton £ s. d.
Saturday	$0.0585@.0590	$0.0570	..* .. ..
Monday	.0585@.0590	.0570	.. .. ..
Tuesday	.0585@.0590	.0570	.. .. ..
Wed'sd'y	.0585@.0590	.0570	.. .. ..
Thursday	.0580@.0590	.0570	.. .. ..
Friday	.0585@.0590	.0570	.. .. ..

* London exchange closed.

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from April 26 to May 2, inclusive, were as follows:—

	Slabs: Per pound New York.	Slabs: Per pound E. St. Louis.	Spot. London. Per ton £ s. d.
Saturday	$0.0765	$0.0725	..* .. ..
Monday	.0675	.0725	.. .. ..
Tuesday	.0765	.0725	.. .. ..
Wednesday	.0765	.0725	.. .. ..
Thursday	.0765	.0725	.. .. ..
Friday	.0765	.0725	.. .. ..

* London exchange closed.

Price Changes

Advanced

Casein, dom., ½c. per lb.
imp., Argentine, ½c. per lb.
Rosin, gum, 1c. to 2c. per 100 lbs.

Reduced

Turpentine, gum, 2½c. per gal.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
128.0	128.0	128.0	126.2

Market news that may have developed after this report was sent to press will be found on page 4.

Pigments

Antimony White. — Market fairly active. Inquiries off. Price firm.

Flake White.—Normal amount of interest in offerings. Price unchanged.

Litharge. — Movement remained good. Inquiries routine. Price steady.

Lithopone.—Orders placed in good volume. Prices steady.

Metronite Pigment. — Slight slackening reported. Price firm.

Orange Mineral.—Market buoyed up by good buying interest. Prices firm and unchanged.

Red Lead.—Tone stable. Buying good. Inquiries fair.

Titanium Pigments.—Trade better than normal. Shipments heavy. Prices firm and unchanged.

White Lead.—Dry material moving well. Tone stable.

Paint, Varnish, Lacquer Sales: March

The value of paint, varnish, lacquer and fillers sold in March as reported by 680 establishments to the Bureau of Census, was $40,185,294. Details of sales reported by these establishments and comparative data for 1940 follow:—

	Total sales reported by 680 establishments.	Classified sales reported by 580 establishments: Trade sales of paint, varnish, and lacquer.	Industrial sales: Total.	Industrial sales: Paint and varnish.	Industrial sales: Lacquer.	Unclassified sales reported by 100 establishments.
1941.						
January	$34,604,629	$16,314,158	$15,092,044	$10,777,855	$4,314,189	$3,198,427
February	33,690,870	15,767,081	14,973,684	10,385,374	4,588,310	2,950,105
March	40,185,294	19,565,515	17,033,354	12,124,491	4,908,863	3,586,425
Total (3 mos.)	$108,480,793	$51,646,754	$47,099,082	$33,287,720	$13,811,362	$9,734,957
1940.						
January	$28,666,635	$13,549,867	$12,317,340	$8,369,445	$3,947,895	$2,799,428
February	26,537,573	13,042,764	11,146,277	7,584,649	3,561,628	2,348,532
March	31,592,093	16,144,606	12,639,821	8,681,802	3,958,019	2,807,666
Total (3 mos.)	$86,796,301	$42,737,237	$36,103,438	$24,635,896	$11,467,542	$7,955,626
April	$37,656,398	$20,188,957	$13,849,723	$9,851,848	$3,997,875	$3,617,718
May	43,463,222	24,943,448	14,150,310	10,146,311	4,003,999	4,369,464
June	37,897,861	21,718,413	12,582,231	9,052,581	3,529,650	3,597,217
July	35,553,580	19,573,840	12,732,233	9,611,083	3,121,150	3,247,507
August	36,441,511	19,302,935	13,651,210	9,703,492	3,947,718	3,487,366
September	35,327,356	18,416,711	13,458,969	9,237,834	4,221,135	3,451,676
October	39,179,174	19,638,441	15,953,121	10,759,348	5,193,773	3,587,612
November	31,892,256	15,115,083	14,048,944	9,578,739	4,470,205	2,728,229
December	28,308,153	12,520,203	13,434,963	9,141,234	4,293,729	2,352,987
Total (year)	$412,515,812	$214,155,268	$159,965,142	$111,718,366	$48,246,776	$38,395,402

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Purchasing Agents Ass'n, May 26-29, Chicago.

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Paranol 25 is a bonny buy . . . and the quality would truly surprise a mon wi' a searchin' pair of eyes!

And listen, mon! The way it works wi' softer oils will make your heart do a highland fling for glee. — Sshish! A sample and data dinna cost ye nothin'.

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Oil Yellow 7463 — Oil Orange 7078-V
Oil Blue B-5199 — Oil Scarlet II
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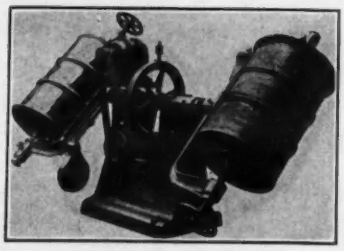
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Rotates and Tumbles at Same Time
RUGGED-SIMPLE-EFFICIENT
Write for circular and prices
The Vol-U-Meter Co.
59 Terrace Buffalo, N. Y.

Zinc Oxides.—Heavy demand. Shipments large. Prices firm.

Fillers and Extenders

Asbestos. — Movement remained fairly large. Price steady.

Asphaltum.—Routine demand. Shipments regular. Prices firm.

Barytes.—Sales were satisfactory during the week. No changes were made in quotations.

Bentonite. — Orders were placed fairly regularly. The prices were firm.

Blanc Fixe.—Steady movement of material to normal channels. Inquiries off. Price stable.

China Clay.—Unchanged and firm.

Charcoal.—Fair call. Prices unrevised.

Diatomaceous Earth. — Purified material in good call. Price firm.

Fullers Earth.—Fair demand. Price unchanged.

Graphite.—Tone stable. Movement fair.

Gypsum.—Market routine. Prices steady.

Marble Flour. — Normal interest. Price unchanged.

Mica. — Market well maintianed. Fair demand.

Rottenstone. — Routine movement. Price steady.

Whiting.—Steady demand. Prices firm.

Varnish Gums

The market for natural resins remained in a stable position last week. Shipping facilities from the Far East continued to give concern to importers, but they reported that stocks in this country were still ample for normal demand. No price changes were made.

Naval Stores

The naval stores situation had an easier tone last week. Changes in rosin quotations were rather narrow as a rule, but turpentine dropped on Wednesday to 34c. per gallon in the Savannah market as compared with 36½c. at the close of the previous week. Government supplies of tur-

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RAYBAR — Titanium Barium Pigment
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pentine held under loans to producers were withdrawn from the market on April 30. This action was rather unexpected in trade circles and conflicting views prevailed as to the reason and also as to the probable duration of the withdrawal of holdings. The government continued to supply rosin to dealers.

There was no broadening of business reported, many consumers apparently still being disposed to follow a conservative course in making purchases pending further developments in the markets for other commodities. The war news from abroad was also of a kind to make many buyers inclined to follow a rather cautious policy for a time in the placing of new orders. There was a steady movement into consuming channels on contracts and to some the indications still seemed to point to a liberal consumption during the current season. There were reports of occasional export inquiries from South America and Europe for rosin but the volume of business closed was apparently unimportant.

Reports from the South were to the effect that production was on the increase as a result of better weather in many sections, precipitation being lighter and temperatures higher. There were still complaints of insufficient labor but operations appeared to be expanding. Receipts at some points have increased recently and a further expansion in the movement is expected during the current month. Meantime unsold supplies of old crop turpentine are said to be unusually light.

Mexican Gum Output Small

The production of naval stores in Mexico was small during the month of March because of the cool weather and a reduction of approximately 50 percent in the size of operations in the Durango area, according to a consular report. It is reported that the production amounted to 30 metric tons of rosin and 3,000 gallons of turpentine. Sales of rosin were reported to have amounted to 65 metric tons at 100 pesos per ton (4.83 pesos equal $1.00 U. S. Cy.) for domestic consumption. No sales of turpentine were reported. Stocks on hand at the end of March were estimated at 527 metric tons of rosin and 5,000 gallons of turpentine.

Turpentine.—The trend of local prices was downward at times last week, this being a reflection of developments in the primary center where offerings showed an increase following an expansion in production. Trade here lacked snap, much of the purchasing being limited to small or moderate quantities to fill the current needs of consumers. Weather conditions in the South were more favorable for operations in the woods and the indications apparently pointed to an increase in marketing in the near future.

SAVANNAH, May 2.—Following is a record of the turpentine market for the week:—

	Gallons		Barrels		
	Cents.	Sales.	Receipts.	Shipments.	On hand.
Saturday*	...	...	...	...	...
Monday	36½	12,900	171	176	5,721
Tuesday	34½	14,200	340	200	5,861
Dednesday	34	7,000	238	11	6,008
Thursday	33½	9,550	156	...	6,244
Friday	34	11,000	224	334	6,134

* No trading.

JACKSONVILLE, April 30.—Turpentine stock 9,053 barrels.

PENSACOLA, April 26.—Turpentine stock 9,840 barrels.

CHICAGO, May 2.—Turpentine has eased off after recent advances. Buying has dried up to some extent, pending some kind of clarification of the situation. Ruling prices at the close of business last night were:—Five-drum lots, 48c. per gallon; five wood barrels, 53c.; single drums, 51c.; single barrels, 56c.

Rosin. — There was no material change in the character of business in the local market last week. In some instances a fair inquiry was noted but actual business was apparently limited as a rule to comparatively small quantities, few consumers being disposed to purchase in advance of current needs. The tone here was somewhat easier in company with developments in the South where the tendency of prices was downward at times although changes from day to day were within rather small limits.

SAVANNAH, May 2.—Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted				
	*Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	$1.54	$1.50	$1.50	$1.51	$1.51
D	...	1.72	1.70	1.70	1.71	1.71
E	...	1.77	1.75	1.75	1.76	1.76
F	...	1.77	1.76	1.77	1.78	1.79
G	...	1.78	1.77	1.78	1.79	1.80
H	...	1.78	1.78	1.79	1.79	1.80
I	...	1.80	1.78	1.79	1.79	1.80
K	...	1.81	1.80	1.80	1.80	1.81
M	...	1.82	1.82	1.82	1.82	1.83
N	...	1.94	1.94	1.94	1.92	1.92
WG	...	2.40	2.40	2.40	2.40	2.40
WW	...	2.68	2.66	2.66	2.70	2.70
X	...	2.68	2.66	2.66	2.70	2.70
	Barrels					
Sales	...	432	303	116	158	88
Receipts	...	537	1,423	492	753	462
Shipments	...	648	653	100	...	761
Stocks	...	...	...	...	...	149,198

* No trading.

JACKSONVILLE, Apr. 30.—Rosin stock 315,912 barrels.

PENSACOLA, Apr. 26.—Rosin stock 43,848 barrels.

CHICAGO, May 2.—The rosin market is easier. Buyers are slow to place orders, preferring to watch developments. Ruling prices at the close of business last night in five-drum lots were:—B grade, $2.80 per 100 pounds net; G grade, $3.08; M grade, $3.12; W.W. grade, $3.96.

Other Naval Stores

Pine Oil.—Steady contract movement. New business fair. Market firm.

Pitch.—Moderate demand for spot material. Quotations generally unchanged.

Rosin Oil.—Inquiries received more numerously. Prices held at previous levels.

Tar.—Quotations stationary. Business fairly active.

Driers

Regular buyers of various stearates were still able to obtain material at list prices last week. The majority of suppliers were not encouraging bids, but were delivering to regular customers at unchanged prices. Purchases on the spot market were transacted at figures about 2c. per pound higher than list.

Lacquer Materials

A good volume of business continued in the market for lacquer materials and solvents last week. At times sellers were pressed to fill all orders to regular channels, and continued to restrict offerings to take care of contract consumers. While export markets have narrowed considerably, it was the general practice not to accept export inquiries unless previous obligations were involved. Most of the exports in materials such as acetone, methylethyl ketone and the butyls were to Canada and the United Kingdom. The prices underwent no revisions, but the market fully retained its firm tone.

March production of nitrocellulose sheets, rods and tubes amounted to 1,307,593 pounds, compared with 1,132,132 pounds in February and 1,089,640 pounds in March a year ago. For the first three months this year output aggregated 3,606,257 pounds, against 3,344,666 pounds in the corresponding period a year ago. Output of cellulose acetate sheets, rods and tubes during March totaled 464,601 pounds, contrasted with 441,482 in February and 550,138 in March, 1940. For the first three months production amounted to 1,522,608 pounds, against 2,044,249 in the like period a year ago, according to the Department of Commerce.

Acetone.—Market firm, and demand steady. Selling usually confined to regular contract accounts.

Alcohol, Butyl.—Inquiries and shipments continued good. Market held its firm position.

Alcohol, Isobutyl.—Buying moderate. Prices underwent no change.

Butyl Acetate.—Steady movement of normal and secondary grades. Quotations remain the same, and tone was firm.

Cellulose Acetate.—Business moderately active. No change disclosed in the prices.

Diamyl Phthalate.—Demand good. Market retained its firmness.

Dibutyl Phthalate. — Steady call. Pricewise a firm tone prevailed.

Dichlorethyl Ether.—Market continued firm, and prices unchanged. A good volume of business passed against contracts.

Diethyl Phthalate.—Quotations unchanged and firm. Buying moderate.

Dimethyl Phthalate. — Consumers made fair size replacements to keep market in satisfactory position.

Ethyl Acetate.—Withdrawals steady, and sellers usually limited business to regular channels. Prices rule firm.

Ethyleneglycol. — Market displayed firmness, with shipments steady.

Film Scrap.—Good demand remained in evidence. Prices unchanged and firm.

Isopropyl Acetate.—Shipments maintained at steady levels. Prices underwent no alteration.

Methyl Acetate.—Prices display firmness, while buying held steady.

Nitrocellulose.—Inquiries and shipments well sustained. Prices unchanged and firm.

Tricresyl Phosphate.—Withdrawals continued steady, and market was firm.

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Triphenyl Phosphate. — Commitments moderately active. Nothing new developed in the prices.

Shellac

Prices holding steadily in the spot shellac market give full reflection of the steadiness prevailing in the Calcutta market. The most important development at the primary source of supply is the presence of numerous ships on which to load shellac destined for the United States. Availability of transport removes danger of ultimate severe shortage in spot goods. Freight rates on chartered steamers running very high, as much as $60 per ton being paid. Conference lines still hold to $26 per ton. Demand for shellac was excellent on the spot and sellers were little disposed to do much in the way of shading open market quotations.

Synthetic Resins

Sales volume for the majority of synthetic resins was well maintained during the past week. In general, demand was better than normal and shipments were heavy. Ester gum was subject to better inquiry. All prices were firm and unrevised.

Dry Colors

Alkali Blue Toner.—Buyers remained actively interested in offerings. Shipments were in good volume. Price was unchanged.

Bone Blacks.—Better than normal call reported. Prices firm.

Carbon Blacks.—Very active call. Shipments large. Inquiries well maintained. Prices steady and unrevised.

Carmine No. 40.—Good demand. Prices firm.

Chrome Colors.—Contract ordering normal. New business fairly brisk. Prices firm and unrevised.

Fire Red Toner.—Normal movement. Price unchanged.

Iron Oxides.—Heavy contract demand. Inquiries numerous. Prices firm.

Lamp Blacks.—Market well maintained at previous level. Demand and prices unchanged.

Mercuric Oxides.—Ordering normal. Prices steady.

Ochers.—Sales volume satisfactory. New business smaller. Prices firm.

Siennas.—In good demand at firm prices.

Umbers.—Normal movement. Quotations unaltered.

Vermilion.—Good call. Price steady.

Glues and Binders

Casein. — Domestic material advanced ½c. per pound to 15c. for car lots of the 20-30 mesh; 15¼c. for five tons or more, and 15½c. for smaller quantities. The 80-100 mesh was quoted at 15½c. for car lots; 15¾c. for five tons or more, and 16c. for smaller amounts. Argentine casein also was advanced ½c. per pound to from 13½c. to 13¾c. for car lots of the 20-30 mesh and 14c. to 14¼c. for car lots of the 80-100.

Glues.—Demand for both hide and bone glues remained extremely heavy, with suppliers unable to meet it. Material was very scarce. Prices nominal.

Cleveland Paint Club To Mark Fifty Years

The Cleveland Paint, Varnish and Lacquer Association is planning to observe its fiftieth anniversary. Mention of the plan to hold the celebration in September was made at the April meeting of the club, which meeting took the form of a birthday party for S. C. Wegenman, head of the Wagenman Paint Stores Company. Discussion was also given to local paint-up campaign, to be held April 28 to May 2.

N.Y. Paint Club Outing Date Changed to June 4

The annual sports outing of the New York Paint, Varnish and Lacquer Association has been changed to June 4. The outing, originally scheduled for June 5, will be held at the Westchester Country Club.

Ultramarine Company, chartered under New Jersey laws, has surrendered its certificate of authority to do business in New York State.

Golden Gate Club Hears About Melamine Resins

The March meeting of the Golden Gate Paint and Varnish Production Club heard Emery Trussel, of the American Cyanamid Company, talk on "Melamine Resins." The synthesis of melamine resins was shown by means of a chart. Graphs showing the baking time and hardness curve of alkyd-melamine enamels using various pigments showed the effect that pigments have on the curving of the resin at 250° F. White enamels using an alkyd-urea vehicle and an alkyd-melamine vehicle and baked at high temperatures on metal panels demonstrated the superiority of the melamine resins.

C.D.I.C. Club Hears About Zinc Resinates

The March meeting of the Cincinnati - Dayton - Indianapolis - Columbus Paint and Varnish Production Club was featured by an address by E. Edelstein, of Newport Industries, on "The Zinc Resinates." He discussed their value in industrial coatings. Members from the Toronto Paint and Varnish Production Club were among the guests. Edward Ranson, who gave a short resume of taxes as collected by the Canadian government; and W. H. Short, who also gave a short resume on bidding practices for public works during war times in Canada.

Paint Credit Group Hears Talk on 'White Collar Fraud'

Frank A. F. Severance, assistant New York district attorney, was the guest speaker of the Paint & Allied Industries Credit Association at its April meeting in the Building Trades Employers Association, this city. In his address on "White Collar Fraud," Mr. Severance covered the subject and emphasized the importance of fraud prevention.

Another feature of the evening's program, was the introduction of "Chronological Recapitulations."

N.Y. Paint Club to Meet

The annual meeting of the New York Paint, Varnish and Lacquer Association will be held May 8 in the Hotel Biltmore, this city. Refreshments will be served at 6:15 p.m., followed by dinner. Officers for the coming year will be elected after dinner.

Glyco Offers New Esters

The Glyco Products Company, Brooklyn, announces the availability of the following new chemicals which are now being produced on a laboratory scale:—Propyleneglycol distearate, stearic ethanolamide, 'Carbitol' oleate, diethyleneglycol monostearate, nonaethyleneglycol mono-oleate, and nonaethyleneglycol dioleate.

Louisville Paint Technicians Discuss Mill Grinding

Louisville, Apr. 26, 1941

The Louisville Paint & Varnish Production Club held it final Spring meeting April 24, at the Brown hotel, with fifty-seven members and guests present. This will be the last regular meeting prior to next Fall.

The copper strip test was adopted. Oliver F. Redd of the Patterson Foundry & Machine Company, spoke on "Ball Mill Grinding." Conclusions of the speaker were:—

This method is 2.2 to 2.8 times faster than pebble mills. Flat spots develop in two months, allowing such balls to ride lower in the mill, permitting slippage which in turn cause more flat spots. A 45 percent ball charge reduces flat spots tremendously. The minimum charge is 30 percent. Case hardened balls showing flat spots, should be discarded. 38 percent of the apparent volume of the balls is air space and can be filled with paint. High consistency grinding gives unusual results.

J. A. Frederickson of the Krebs Pigmen & Color Corporation was introduced and spoke on the subject of "Rutile Titanium Dioxide." The advantages of this higher hiding, more compact pigment were developed with the aid of charts and lantern slides. An invitation was received from the Louisville Paint, Varnish and Lacquer Association to its annual golf outing and dinner June 27.

Plastic, Coldwater Paint, Calcimine Sales Mixed

Sales of plastic and coldwater paints and calcimines reported by sixty manufacturers to the Bureau of Census for March, 1941, were as follows:—

Plastic Paints

	Pounds.	Value.
Paste	75,135	$8,755
Dry, casein bound	329,689	21,546
glue bound	247,932	12,281
Totals	652,756	$42,582

Coldwater Paints

Exterior, lime or cement-bound	866,306	$56,096
casein-bound	374,615	19,973
Interior, casein-bound, paste or semi-paste form	*367,430	375,889
dry-powder form	1,604,897	116,518
glue-bound	385,685	9,778
Totals	.....	$578,254

* Gallons.

Calcimines

	Pounds.	Value.
Hot-water	3,903,151	$158,364
Cold-water	2,854,453	142,308
Totals	6,757,604	$300,672

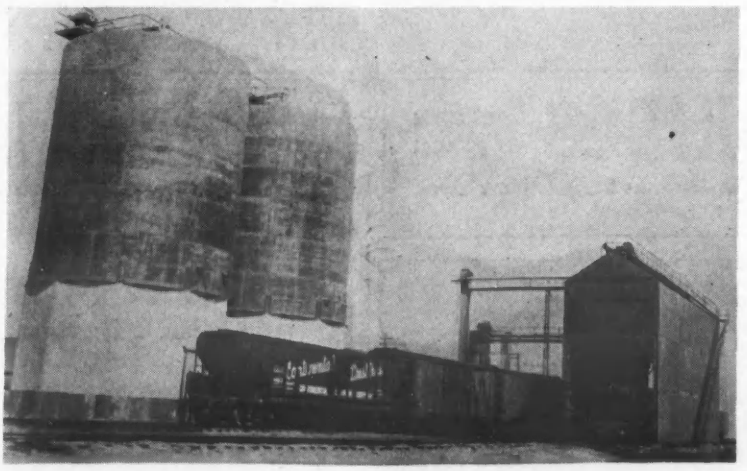
Sales of these products for March, compared with the corresponding period of 1940 were as follows:—

		1941.	1940.
Plastic paints	lbs.	652,756	837,995
	value.	$42,582	$54,603
Cold-water paints	value.	$578,254	$506,425
Calcimines	lbs.	6,757,604	5,091,938
	value.	$300,672	$215,063

Schwab Brothers Corporation, shellac importer, has moved to larger offices in 102 Maiden Lane, this city. Telephone:—Whitehall 3-6420.

Continental Carbon Erects Two Storage Tanks

With two large bulk storage tanks recently completed and added to the facilities of its extensive Sunray, Tex., plant, Continental Carbon Company's bulk storage capacity is now well in excess of 2,000,000 pounds of dustless carbon



black. Both cylindrical tanks were specially constructed to handle either the package or the bulk form of dustless carbon black insuring prompt hopper car shipments to customers requiring bulk deliveries. The accompanying view of a portion of Continental storage space shows the new tanks as well as a Burquist type storage tank.

Zinc Institute Re-Elects Officers

—Continued from page 5

Officers and directors elected were:—

President (re-elected), Howard I. Young, president of the American Zinc, Lead & Smelting Company; first vice-president (re-elected), C. A. Chapin, jr., of the St. Joseph Lead Company; second vice-president (re-elected), John A. Robinson, of the Commerce Mining & Royalty Company; third vice-president (re-elected), James O. Elton, of the International Smelting Company; treasurer, John L. Good, of the Eagle-Picher Lead Company, Hillsboro, Ill.; secretary (re-elected), E. V. Gent, of New York.

Rocky Mountain Output

J. O. Elton, manager of International Smelting & Refining Company, reported on "Zinc Mining in the Rocky Mountain Region." He said that Rocky Mountain States showed a gain of 49 percent in output of recoverable zinc in 1940 over 1939. These States accounted for 27 percent of the total domestic production. The total gain in mine production of recoverable zinc in the United States in 1940 was 14 percent as compared with 49 percent in the States included in this discussion.

Russell B. Paul, of the New Jersey Zinc Company, reported on "Zinc Mining in the Eastern Region." Mr. Paul said the operations at the zinc producing mines in New York, New Jersey, and Virginia, have varied but little in their annual production of zinc in ore in these past few years. In 1940 the production of zinc in ore from this Eastern region was slightly higher than in 1939. The increase in production from New Jersey more than offsets the decrease in Virginia, while the New York 1940 production was practically the same as in 1939. The combined 1940 production of recoverable zinc in ore from these mines in New York, New Jersey and Virginia amounted to 147,100 net tons or 1,420 more than the 1939 production of 145,680 net tons.

Tri-State Production

Evan Just, secretary, Tri-State Zinc & Lead Ore Producers Association, discussing "Zinc Mining in the Mississippi Valley Region," said that the year 1940 marked an important change in the status of zinc in the eyes of government. After two years of struggle against the reduction of a tariff vital to continuance of his operations, he said that the domestic miner could not avoid the conclusion that his fate was of no interest to the government. However, Mr. Just said, the shortage that developed as a result of wartime conditions made the zinc supply problem one of the most important industrial phases of the defense program. Although no effort has yet been made to assuage the fears set up by recent tariff policy, and an arbitrary ceiling has been imposed on zinc prices, the importance of a zinc supply is denied by nobody. Mr. Just added:—

This state of affairs has resulted in a peculiar situation. The present demand and price for concentrates has stimulated a fairly good rate of production, but exploratory activity is at a low level. The zinc miner is depleting his known reserves without making an effort to add materially to them. He has no reason to believe that government will afford him adequate protection against the flood of low-cost foreign competition which the end of the war is likely to bring. This outlook does not warrant the optimism necessary to engage in exploration for the type of orebody which is likely to be found.

Tri-State production remained remarkably constant, considering price changes during the year. An average level close to 8,000 concentrate tons per week had been maintained during December, 1939 This dropped to a 6,200-ton average in January and February because of unusually cold weather, but resumed the 8,000-ton rate in March. The price of concentrates remained at $37.50 per ton from January to May. In June the price advanced to $41 and production rose to approximately 8,500 tons per week. A rising price to a top of $48, comprising a series of small advances over the period July to October, made almost no difference in the production rate, which continued around the 8,500-ton level throughout the last half of the year.

Oil, Fats, and Waxes

Refined Cottonseed Oil Futures Irregular in a Less Active Market — Crude Remains Firm — Copra and Coconut Oil Continue to Advance—Olive Up Again—Trade Quieter

Quieter conditions prevailed in the market for miscellaneous oils, fats and greases last week. Business showed a slowing down and the number of price changes was much smaller than in recent preceding periods, although the trend was still upward. Cottonseed oil and lard futures failed to move decisively in either direction and consumers of other oils and fats were disposed to curtail purchases and await further developments, especially as the war news from Europe was still regarded by many as in the main of a rather discouraging character.

On the other hand offerings were limited throughout the week and there appeared to be little likelihood of any material relief in the near future from the scarcity of many imported and domestic products that has been noticeable for some time past. Coconut oil was again a strong feature, prices advancing in company with copra which was still scarce and in upward trend. Soybeans moved up to new high prices in the West despite some slowing down of speculative operations. Increasing scarcity of olive oil was reflected in further rather sharp advances in both the denatured and edible.

Vegetable Oils

Castor, Dehydrated.—Steady movement on contracts and transient orders. Market firm. Crude material tending upward.

Chinawood.—Offerings confined to small lots. Good inquiry. Primary situation strong. Drums 30¼c. to 30½c.

Coconut. — Crude advanced ¼c. Offerings scarce; quotations nominal. Refined unchanged. Fair demand. Copra scarce and higher.

Corn.—Crude and refined firm. Offerings light. Quotations nominal. Inquiry good.

Cottonseed.—Edible firm. Demand fairly active.

Oiticica.—Firm at recent advance. Offerings light. Inquiry more active.

Olive.—Supplies light and diminishing in all instances. Inquiry active. Denatured reported sold at $3.30 per gallon; imported edible $4.60; domestic $4.20.

Palm.—Only small lots apparently available. Quotations nominal.

Peanut.—Inquiry fairly active, crude and refined. Offerings light. Prices firm. Peanut growers approved marketing quotas for 1941 to 1943.

Perilla.—Firm at recent advance. Inquiry more active. Stocks light.

Soybean.—Offerings from resellers reported somewhat freer. Producers generally firm. Inquiry fairly active. Bean prices in upward trend.

There was no trading in soybean oil futures on the New York Produce Exchange, from April 26 to May 2, inclusive. Following is a price record for the week:—

	Cents per pound in tanks		
	High.	Low.	Close.
May	...	...	8.25
July	...	...	8.25

Markets at Other Centers

Chicago, May 2.—Vegetable oils firm. Demand good.

COCONUT.—Refined, edible oil, 10¾c. to 11c. per pound, drums, car lots.

CORN.—Crude, mills, 8¾c. to 9c. per pound; refined, edible, 11c. to 11¼c., drums, car lots.

SOYBEAN.—Crude, May-forward, 8c. to 8¼c. per pound.

The market for soybeans on the Chicago Board of Trade was active. Prices irregular with grain. Following is a soybean price record, per bushel, for the week:—

			Closing	
	High.	Low.	May 2.	Apr. 25.
Cash, No. 2.	$1.24⅝	$1.22	$1.22	....
May	1.25	1.20¾	1.21½	$1.21⅝
July	1.20⅝	1.16½	1.19	1.17½

San Francisco, April 30.—Vegetable oils active. Price trend upward.

COCONUT.—Sales today at 5⅝c. per pound in tankcars, f.o.b. Pacific Coast. Copra 3.40c.

CHINAWOOD.—Sales recorded in "free" oil at 31 cents per pound in tankcars, f.o.b. Pacific Coast.

OITICICA.—Solid oil 17c. per pound in drums; liquid 18c., subject to available steamer space from South America.

BABASSU.—Quoted at 8½c. per pound in tankcars, f.o.b. Pacific Coast mills. Nut supply light.

COTTONSEED.—Crude 9¼c. per pound in tankcars, f.o.b. Northern California mills.

PERILLA.—Active at 17c. per pound in tankcars, f.o.b. Pacific Coast for May-June shipment.

RAPESEED.—Argentine denatured, refined oil, May/June shipment from the Pacific Coast, 8c. per pound in tankcars.

WALNUT.—Sales of crude California oil at 8¼c. per pound in tankcars, f.o.b. Pacific Coast mills.

Price Changes

Advanced

Coconut oil, crude, ¼c. per lb.
Copra, ¼c. per lb.
Degras, common, ¼c. per lb.
Japan wax, ½c. per lb.
Olive oil, denatured, 20c. per gal.
edible, 15c. to 30c. per gal.
Teaseed oil, crude, ¼c. per lb.

Reduced

Carnauba wax, refined, ½c. per lb.
Grease, ½c., per lb.
Tallow, ½c., per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
146.4	146.2	138.2	103.4

Market news that may have developed after this report was sent to press will be found on page 4.

Linseed Oil

Flaxseed prices irregular in domestic markets. Linseed oil and meal quiet and steady. Flaxseed imports at New York last week 120,382 bushels.

Flaxseed — DULUTH, May 2. — Flax prices have been dropping as liquidation increases and commercial support dwindles. Also the early crop outlook is better. Moisture conditions throughout the Northwest are decidedly more satisfactory than for many years.

The week's closing price range was as follows:—

	Cash.	May.
Saturday	$1.89	$1.81
Monday	1.88	1.80
Tuesday	1.85½	1.77½
Wednesday	1.86	1.78
Thursday	1.87¾	1.79¾
Friday	1.88	1.80

Crop movement in bushels follows:—

	Receipts 1941.	Receipts 1940.	Shipments 1941.	Shipments 1940.
This week..	50,042	30,996	.....	.....
Since Aug. 1.	10,792,848	4,451,698	8,498,514	3,964,216

MINNEAPOLIS, May 2.—At intervals some of the buyers tried to ease the market with lower bids but there was enough demand at all times to keep premiums on desirable quality firm. Seed house sales of flax were up to last year comparisons for a time but about ten days ago the demand dropped off on account of bad seeding weather. Southern territory farmers saved ample seed stocks. Northern territory farmers are still buying seed supplies in a moderate way. Weather conditions are improving rapidly and farmers will be able to get their seed into the ground in fair time.

The week's closing price range was as follows:—

	Cash.	May.	July.
Saturday	$1.89	$1.81	$1.83½
Monday	1.88	1.80	1.82½
Tuesday	1.85	1.77½	1.80
Wednesday	1.86	1.78	1.80¼
Thursday	1.87¾	1.79¾	1.82¼
Friday	1.88	1.80	1.82

Crop movement in bushels follows:—

	Receipts 1941.	Receipts 1940.	Shipments 1941.	Shipments 1940.
This week..	124,600	34,400	9,800	37,800
Since Sept. 1.	10,219,000	3,775,600	1,716,400	2,040,130

WINNIPEG, May 2.—The week's closing flaxseed price range was as follows:—

	Cash.	May.	July.
Saturday	$1.47⅞	$1.48	$1.50
Monday	1.51⅝	1.51⅝	1.53½
Tuesday	1.46⅞	1.47	1.49
Wednesday	1.49	1.49	1.51½
Thursday	1.50½	1.50½	1.52¾
Friday	1.47¾	1.47¾	1.51

BUENOS AIRES, May 2.—Flaxseed, June, 70½c. per bushel. Exports this week 256,000 bushels, all to the United States. Total since January 1, as follows:—

To—	Bushels This year.	Bushels Last year.
United States	4,216,000	7,576,000
United Kingdom	637,000	5,053,000
Continent	327,000	9,294,000
Orders	.....	598,000
Others	399,000	146,000
Totals	5,579,000	22,667,000

Visible Supply

	Bushels.
Last week	6,693,000
Previous week	6,496,000
Last year	5,909,000

Linseed Oil. — A steady tone prevailed in the local market. There were frequent fluctuations in flaxseed prices in domestic centers during the week, but changes were generally within moderate limits, and, with Buenos Aires ruling steady, local quotations on linseed oil were held at previous levels. In some quarters an increased inquiry was reported. Withdrawals on contracts here continued on a liberal scale. Advices from outside

STEARIC ACID
Single Pressed and Double Pressed
Available in either cake or flake form
Triple Pressed
IVORY BRAND

RED OIL
(OLEIC ACID)

RUBY OLEINE
BRAND (*distilled*)
STAR BRAND
(*saponified*)
CANARY BRAND
(*very pale yellow, especially suitable for best types of dry cleaners' soaps.*)

PROCTER & GAMBLE
MAIN OFFICES
Gwynne Bldg., Cincinnati, Ohio
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(RED OIL)
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ESTABLISHED 1837 FACTORY, NEWARK, N. J.

CHINA WOOD OIL
WAH CHANG TRADING CORPORATION
Woolworth Building
SPOT New York, N. Y. FUTURE

TALLOW
LARD OIL
NEATSFOOT OIL
ANIMAL STEARINE
ACIDLESS TALLOW OIL
INDEPENDENT MFG. CO.
Bridesburg P. O. Philadelphia, Pa.

W. C. HARDESTY CO., Inc.
41 East 42nd Street New York
RED OIL STEARIC ACID
Saponified - Distilled
HYDROGENATED FATTY ACIDS (HYDREX)
Cottonseed Oil Fatty Acids
Palm Oil Fatty Acids
Lauric Acid
Coconut Oil Fatty Acids
Corn Oil Fatty Acids
Specialty Fatty Acids
Glycerine - Pitch - White Oleine
FACTORIES: Dover, Ohio - Los Angeles, Calif. - Toronto, Canada
CALIFORNIA OFFICE: 5636 East 61st Street, Los Angeles
Cable Address: "EPILOGUE"

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Amer. Oil Chemists Soc., May 15-16, New Orleans.
Natl. Cottonseed Products Assn., May 19-21, New Orleans.

points also reported a steady and large movement from mills on contracts previously placed. In some local circles there was still a tendency to revise upward estimates of consumption this season. Cash demand for flaxseed was good in Northwestern markets, and reports concerning the outlook for the new crop continued favorable.

MINNEAPOLIS, May 2.—Strikes and interference with business tend to make linseed oil buyers cautious about making contracts for deferred delivery but they seem to want oil for quick delivery.

Shipping instructions on maturing contracts are good.

Quotations on tankcar lots, 9.8c. per pound; cooperage, car lots, 10.5c. per pound; and warehouse lots, 10.9c. per pound, f.o.b. Minneapolis.

Shipments of oil in pounds were as follows:—

	1941.	1940.
This week.....	4,350,000	3,540,000
Since Sept. 1.....	125,350,000	103,720,000

SAN FRANCISCO, April 30.—Linseed fornia flaxseed shortly; harvesting in progress in the Imperial Valley. Tankcars, 9.5c. per pound; drum car lots, ex-mill, 10.2c.; drum lots, ex-warehouse, 10.6c.

oil fairly active. Contract movement heavy. Mills will get new crop Cali-

Cake and Meal.—A fair movement of meal on contracts was noted. New business quiet.

MINNEAPOLIS, May 2.—Meal demand slowed down considerably owing to quick and general improvement of pasturage.

Quotations on carload lots, f.o.b. Minneapolis, 100-pound sacks, $28 to $28.50 per ton.

Shipments of meal in pounds were as follows:—

	1941.	1940.
This week.....	6,560,000	3,960,000
Since Sept. 1.....	276,981,000	148,720,000

Cottonseed Oil

Refined cottonseed oil futures irregular. Crude oil steady or firm. Meal quiet.

Cottonseed Oil.—The market here for refined cottonseed oil futures was quieter last week, local and other operators in some cases being disposed for one reason or another to curtail transactions for a time and await further developments. Prices were irregular within a range of about 25 points. On upturns there was liquidation by recent buyers as well as more or less selling for a turn on the short side. War news from Europe was regarded by some as of a depressing character. The market for securities displayed weakness at times. On weak spots, however, commission houses and trade interests made purchases. There was also covering attributed to earlier sellers.

Monday last was the first May notice day. Tenders amounted to 36. On the following day 35 were tendered. May was switched to July at 9 to 10 points difference, to September at 16 points and to December at 21 points. Southern markets for crude cottonseed oil were steady or firm. Transactions were apparently rather light, but this was regarded by some as due to an absence of offerings rather than to a lack of buyers. Copra and coconut oil continued to move upward with supplies scarce. Soybeans were higher in the West, although speculation was quieter than recently. Outside lots of tallow were reported to have sold on Thursday at 7⅜c. for extra, and local bids were reduced to that figure. A fairly active demand was reported for cash refined cottonseed oil and lard compound.

It was stated in Chicago advices that original estimates of the 1940 pig crop were too low by about 4,000,000 head and that the slaughter for the current season will be larger than expected by about that amount. Hog receipts at some points in the West last week were smaller than in the same time last year. The weight of the hogs received in Chicago during the week ended April 26 averaged 251 pounds against 248 pounds in the previous week. Weather conditions over the cotton belt last week were more favorable and crop accounts showed improvement.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from April 26 to May 2, inclusive, comprised 1,163 contracts. Following is a price record for the week:—

	Cents per pound in tanks		
	High.	Low.	Close.
May	9.22	9.01	9.13@9.20
July	9.46	9.07	9.46 sale
September	9.56	9.13	9.55@9.57
October	9.56	9.14	9.56 sale
December	9.62	9.24	9.62 sale

Crude, Southeast, .08¼c.

Chicago, May 2.—Cottonseed oil fairly active. Refined, edible oil, 10¾c. to 11c. per pound, drums, car lots; 11¼c. to 11½c., drums, less than car lots.

Cake and Meal.—Demand lighter in Southern markets. Tone easier in some sections.

Markets at Other Centers

Atlanta, Apr. 30.—Prime crude cottonseed, 8½c. per pound; meal, $26 per ton. Rapid progress in cotton planting.

MEMPHIS, May 1.—Crude cottonseed oil quiet owing to paucity of offerings. Last sales at 8⅛c., Valley basis. Few scattered tanks available at 8¼c. Meal, 41 percent, $24.50 per ton, Memphis basis. Cake, $22 per ton, Valley basis. Bulk hulls $5 per ton; sacked $8 per ton, mill points. Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	April 24.	May 1.
May	$23.75@——	$23.50@23.75
July	23.75@24.00	23.65@24.00
September	24.00@24.15	23.85@24.15
October	24.25@——	24.25@24.50
December	24.25@24.50	24.40@24.65

YOUR INQUIRIES SOLICITED FOR THESE MATERIALS

FATTY ACIDS
(ANIMAL AND VEGETABLE ORIGIN)
STEARIC ACID
RED OIL
(OLEIC ACID)

WILSON & CO. INC.
WILSON-MARTIN DIV.
SNYDER AND SWANSON ST.
PHILADELPHIA, PA.

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OLEIC ACID
RED OIL
FATTY ACIDS
DARLING & COMPANY Manufacturers
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STEARATES
ALUMINUM, Mono-, Di-, Tri-, Stearate CALCIUM
Uniform Quality, for All Uses
THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio

THE BRODÉ CORPORATION
MEMPHIS, TENNESSEE
Domestic and Export
PRODUCTS OF COTTONSEED, PEANUTS and SOY BEANS
Members — Memphis Merchants Exchange (Futures in Cottonseed Meal)
New York Produce Exchange (Futures in Cottonseed Oil)
District Representatives
JAMES LOVATELLI & CO., 2 Broadway, New York City
Codes: Yopps, Robinsons, Bentleys A B C, 5th Edition Peerless

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The highest grade alkyd resins, use Woburn Fatty Acids (Linseed, Soybean, Cocoanut, Cottonseed, etc,). They are more highly refined, purer, are uniform and are shipped in suitable containers to prevent contamination.

To obtain a superb alkyd, colorless and color retentive to an unusual degree, use Woburn Isoline Fatty Acid. No other material produces an alkyd of equivalent color retention and durability.

For a drying oil of superior quality, use Woburn Dehydrated Castor Oil — ISOLINE — (U.S. Patent 1,892,258). White protective coatings made with ISOLINE are lighter and do not "after yellow".

For the Most Durable of All Films Use ISOLINE

For high quality soaps, use Woburn Fatty Acids. Consult our Technical Department for advice on the proper Fatty Acid to be used in making your Special Soaps. The use of Fatty Acids reduces the cost of making soaps.

WOBURN dependable PRODUCTS

WOBURN DEGREASING COMPANY of N.J.
HARRISON CABLE ADDRESS: WOBODE NEW JERSEY
Representatives in Principal Cities:
AKRON F. F. Myers Co. CHICAGO Fred A. Jensen CINCINNATI C. M. Durbin Co. CLEVELAND J. H. Hinz Co. DETROIT C. L. Hueston MINNEAPOLIS Oscar J. Friend & Co. MONTREAL Pigment & Chemical Co.
PHILADELPHIA Geo. A. Rowley Co. PITTSBURGH J. C. Ackerman ST. LOUIS Nolte Brokerage Co. TORONTO Harrisons & Crosfield (Canada) Ltd. WASHINGTON, D. C. Manufacturers Service Bureau
LOS ANGELES — PORTLAND, ORE. — SEATTLE — SAN FRANCISCO
Martin, Hoyt & Milne, Inc.
Warehouse Stocks at CHICAGO — CLEVELAND — LOS ANGELES — OAKLAND, CALIF. — SAN FRANCISCO — SEATTLE

Closing soybean meal futures:—

May	$21.50@22.00	$22.25@22.70
July	21.50@22.00	22.15@22.60
October	21.40@21.65	22.25@——
December	21.40@21.60	22.15@22.25

Fatty Acids

Caprie Acid.—Firm at recent advance. Good inquiry from local and outside consumers.

Castor Oil.—Demand stimulated by recent developments in basic material. Market firm.

Coconut Oil.—Strength of crude oil reflected in good demand for fatty acid.

Cottonseed.—Steady contract movement. New business fairly active. Tone firm.

Laurie Acid.—Output moving steadily into local and other consuming channels.

Palm Oil.—Demand fairly active. Basic material in light supply and firm.

Red Oil.—Buying stimulated by recent course of prices for raw material. Market firm.

Soybean. — Production absorbed by contracts and new orders. Prices maintained.

Stearic Acid.—Business more active. Strength of raw material gave market a firm tone.

Chicago—May 2

Fatty acids active and firm. Corn oil, double distilled, 10½c. to 10¾c. per pound, tanks; 11c. to 11¼c., drums, car lots; coconut oil, acidulated, 12½c. to 12¾c. per pound, tank, nominal; 13c. to 13¼c., drums, car lots; cottonseed oil, double distilled, 8½c. to 8¾c., tanks; 9c. to 9¼c., drums, car lots; 9½c. to 9¾c., drums, less than car lots; settled cottonseed soap stock, 3c. to 3½c.; boiled down soap stock, 65 percent basis, 4c. to 4½c.; cottonseed foots, 50 percent basis, 1⅞c. to 2c.

Fish Oils

Cod.—Quiet and nominal in absence of offerings from primary market.

Menhaden.—Fair demand for small lots of refined. Stocks limited. Tone firm.

Sardine.—Refined firm at recent advance. Fair small-lot demand.

Sperm.—Trade fairly active. Quotations maintained.

Whale.—Fair movement of small lots of refined to local and outside consumers.

Markets at Other Centers

Baltimore, Apr. 30.—The new fishing season here is still six weeks off and buyers and sellers are adhering to a waiting course. There have been reports of offerings at 50 cents per gallon, when-and-if-made. Fishing in Florida light thus far and fishing companies not inclined to take on much business. North Carolina fishing will become active in May.

San Francisco, April 30.—New crop California fish oil futures moved up last week, when, following sales at 50c. per gallon, bidders pushed the market up to 52½c., where business was closed. Bids today 50c, with sellers not interested. It is strictly a sellers' market. Quantity of oil sold so far over 100 tankcars.

Fats and Greases

Grease.—Fairly active inquiry. Spot stocks light. Prices shaded ⅛c.

CHICAGO, May 2. — Choice white grease, 7¼c. to 7⅜c. per pound; yellow, 6½c. to 6¾c.

Lard.—Domestic cash trade fairly active. Price changes moderate.

CHICAGO, May 2.—Following is a lard price record, per 100 pounds, for the week:—

	High.	Low.	Closing May 2.	Closing Apr. 25.
Cash	$8.72	$8.57	$8.72	$8.70
May	8.72	8.52	8.72	8.70
July	8.95	8.75	8.92	8.90

Stearin. — Offerings light. Inquiry fair. Market firm.

CHICAGO, May 2.—Prime oleo stearin, 8½c. to 8¾c. per pound.

Tallow.—Inquiry fairly active. Sales early in week at recently advanced prices. Later, sales at 7⅜c., a decline of ⅛c.

CHICAGO, May 2.—Inedible tallow, prime, 7⅜c. to 7½c.; special, 7c. to 7¼c.

There was no trading in tallow futures on the New York Produce Exchange from April 26 to May 2, inclusive. Following is a price record for the week:—

	Cents per pound in tanks High.	Low.	Close.
May	...	...	7.35@7.50
July	...	...	7.40@7.65

Animal Oils

Degras. — Firmer on decrease in stocks. Common advanced ¼c. Demand broadening.

Lard.—Tone firm. Fair demand for moderate lots of all grades.

CHICAGO, May 2.—No. 1 lard oil, 10c. to 10¼c. per pound.

Neatsfoot. — Purchasing generally limited to moderate lots.

Oleo.—Demand fairly active. Spots stocks small or moderate. Tone firm.

CHICAGO, May 2.—Extra oleo oil, 11c. to 11¼c. per pound.

Tallow.—Fair inquiry. Market remained firm.

CHICAGO, May 2.—Acidless tallow oil, 10¼c. to 10½c. per pound.

Waxes

Bees.—Firm to strong in all markets. African purely nominal. Excellent demand for refined yellow and bleached material. Prices well maintained.

Candelilla.—In fine demand at full prices. Well controlled at source. Moderate spot supplies.

Carnauba.—Reports say Department of Agriculture of Brazil proposes to prohibit production chalky No. 3. Refined shaded on spot to 64½c. to 65c. All other grades firm at well maintained prices. Demand good to excellent.

Japan.—Selling around 17½c. to 18c. per pound. Declared on the firmer side. Most sellers not accepting bids.

Ouricury. — Strong spot prices. Brazilian shippers believed oversold. A squeeze in supplies forecast for future.

Koster Keunen to Produce Ozokerite, Naphthenic Acid

Production of American ozokerite wax, naphthenic acid, and naphthenic soap is a project of the newly organized company known as the Koster Keunen Wax & Oil Products Company, Sayville, L. I., according to H. W. Kraaz, vice-president and general salesmanager of the company. Mr. Kraaz resigned his connection with the Kuhne Libby Company, March 18, following a number of years during which he had been in charge of that company's wax and naphthenic soap department.

The new company will specialize in the manufacture of American ozokerite wax, using a process developed by one of its research workers. A full line of wax will be placed on the market, ranging from natural yellow to snow white material. Ozokerite wax compositions will also be manufactured. Frans Koster is president of the new company. Koster Keunan, Inc., for many years a prominent factor in the beeswax market, will be the holding company for the Koster Keunan Wax & Oil Products Company.

Soybean Standards Parley Set for Chicago May 12

Another public conference on the proposed changes in the United States standards for soybeans, to be held May 12 at 3 p.m. in Room 300 of the Board of Trade building, Chicago, was announced today by C. W. Kitchen, Chief of the U. S. Department of Agriculture's Marketing Service.

This is the fifth conference scheduled. The others will be held May 5 at 10 a.m., Ohio State University, Columbus, Ohio; May 6 at 2 p.m. at Board of Trade, Indianapolis, Ind.; May 7 at the same hour in Decatur Club building, Decatur, Ill.; and May 9 at the Chamber of Commerce, Cedar Rapids, Iowa.

Cottonseed Cooking Improved By New TVA Method

A new method of cooking cottonseed under pressure which drastically improves the quality of the oil has been developed by the Tennessee Valley Authority and is now being used by thirteen Southern oil mills, David E. Lilienthal, director of the Tennessee Valley Authority, has announced.

Dermatitis caused by chemicals used in the making and finishing of testiles, cosmetics, decorative articles, and other things coming into contact with the skin, is informatively discussed by Louis Schwartz, medical director in the United States Public Health Service, in the March number of *Dyestuffs*, published by the National Aniline & Chemical Company, New York.

Lacquer Sales Up

Sales of clear lacquers, pigmented lacquer bases and dopes, and thinners by 158 manufacturers, as reported to the Bureau of Census for the first quarter of 1941 and a comparison with the corresponding period of 1940 were as follows:—

	1941.	1940.
Clear lacquers...gals.	3,218,665	2,395,227
value.	$4,316,297	$3,235,710
Pigmented lacquers.. gals.	4,047,092	2,945,456
value.	$8,965,702	$6,364,260
Lacquer bases and dopes .....gals.	807,857	597,741
value.	$829,406	$635,687
Lacquer thinners.gals.	6,309,190	4,914,689
value.	$4,196,068	$3,180,457
Totas.....gals.	14,382,804	10,853,113
value.	$18,307,473	$13,416,114

Clipper Leaves Glidden Co. To Join Plaskon Co.

O. P. Clipper has resigned from the Glidden Company, Cleveland, to join the Plaskon Company, Toledo. He will be associated with Dr. A. M. Howald in the development of urea-formaldehyde resins.

Mr. Clipper had been affiliated with the Glidden organization for thirteen years, having joined the company in 1928 as assistant manager of the Chicago plant. Two years later he was named plant manager. In 1933 he was transferred to Cleveland, in charge of lacquer operations. Active in the Federation of Paint and Varnish Production Clubs, Mr. Clipper was elected president of the Chicago club in 1933, but was transferred to Cleveland just prior to his installation.

Amer. Smelting Appeals Order To Reopen Mexican Refinery

An appeal has been taken by the American Smelting & Refining Company to the Mexican Supreme Court against enforcement of an order by the Federal Board of Conciliation and Arbitration that the company reopen by May 18 its refinery at Matehuala, San Luis Potosi; reemploy 830 workers and pay them full wages from July 18, 1940, when the plant closed, according to cables advices. The appeal claimed the board's order was unjust and that the company was unable to reopen because of the lack of sufficient orders to make the running of the refinery profitable.

Pitts. Paint Technicians Study Accelerated Testing

The April meeting of the Pittsburgh Paint and Varnish Production Club heard C. C. Ollinger, of the National Carbon Company, give an illustrated lecture on "Accelerated Testing." Mr. Ollinger preceded the showing of his slides with a few remarks concerning the value of accelerated testing by artificial weathering machines, the service rendered by such testing, time saved thereby and the invaluable service these machines perform in checking the natural weathering on outside exposure.

Mr. Ollinger also outlined how the modern weathering machines have been improved in recent years to compare very closely with weathering such as experienced at the Florida test stations. The careful alignment of oxidation, thermal shock, solvent and erosion action as by actual rain and the chemical action produced by outdoor precipitation now rivals the most drastic weather conditions met with in the Southern States.

He emphasized the photo chemical effect of sunlight which can now be reproduced by the improved carbons used in these machines and showed by means of slides the spectrographic analysis of sunlight in various sections of the country which can be duplicated by the carbon arcs.

L. E. Martin, chairman of the technical committee, gave a progress report on panels exposed in various parts of the country in connection with the club's current problem. Since these panels have been exposed for only a few months, no definite conclusions could yet be drawn from this preliminary reading.

The club's picnic will be held June 14.

Tung Oil Ass'n Elects C.R. Baldwin President

—Continued from page 5

method of determining the moisture content of the fruit or nuts. The method, which involves the use of an electric apparatus called an ohmmeter, with an attachment for hooking into the fruit, was devised by Dr. R. S. McKinney, who is in charge of the Bureau of Agricultural Chemistry and Engineering's tung oil laboratory at Gainesville, Fla. The old oven method of determining the moisture content took more than twenty-hour hours—and was not satisfactory. A better method is needed in the rapidly developing industry. When not too moist, the nuts yield greater percentage of this oil.

The electric method, the bureau states, is quick, since all the operator has to do is to hook up the instrument to a tung fruit, turn on the current and read the result on the indicator. The more moisture, the less resistance to the current. The usual procedure is to bore two parallel holes in a tung fruit about one inch apart and one-half inch deep, insert into them the two terminals of the meter until they are tight, and read the moisture percentage from a table of resistances.

W.H. Hoback to Direct House Paint Research

Walter H. Hoback has been appointed head of the house paint research division of the Devoe & Raynolds Company, this city. He will make his headquarters at the general laboratory in Louisville. Mr. Hoback had been affiliated with the Titanium Pigments Company, this city, for six years, and for the past three years was in charge of its central laboratory. He graduated from Roanoke College in 1929 and received his M.S. degree in chemistry from Lehigh University two years later.

Western N.Y. Club Selects Project for Technical Study

The May meeting of the Western New York Paint and Varnish Production Club will be addressed by representative from the Sherwin-Williams Company, Cleveland, on "Soft Oil Resins from the Consumer's Standpoint."

At the April meeting Vernon Smith, president of the club, requested that the nominating committee draw up a slate of candidates for election to office. The technical committee of the club has selected as its project a study of the "Sealing of Knots under House Paint."

Aluminum Powder Users Rated by Priorities Division

The National Paint, Varnish and Lacquer Association has, with respect to supplies of aluminum powder and paste, obtained the following information from the Priorities Division of the Office of Production Management:—

General order M-1, and supplementary orders M-1-a and M-1-b were issued by their office allocating to aluminum users a percentage of their requirements based on 1940 orders. Suppliers were given authority to assign a preference rating to their customers. It is therefore necessary that the various aluminum paint manufacturers communicate with their sources of supply to determine what rating has been assigned to them. In most instances a rating of B-8 will be granted.

An exception has been made with contracts involving the defense program. Such orders would receive a priority rating in accordance with the rating given by the Army or Navy departments. With this evidence submitted to a supplier, a greater amount of aluminum may be secured over and above the requirements for nonessential needs.

The best that can be produced. It is 100% PURE BEESWAX and measures up to all the requirements of the U. S. P.

SPECIFY TL BRAND BEESWAX

THEODOR LEONHARD WAX CO., INC. (Dept. A)

Haledon ESTABLISHED 1852 Paterson, N. J.

Problem Solvers . . .

when foreign sources of supply are cut off

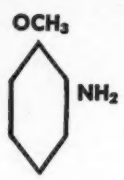
To the right are fourteen available amines that are finding important uses in the manufacture of dye-stuffs. Perhaps one of them can be of assistance in the solution of *your* problems.

Two of the most important of the group are the anisidines, Monsanto specifications for which are shown below. Both the ortho and para anisidines are used as components of various azo dyes, the ortho compound imparting an unusual brightness of shade which is probably due to the position of the methoxy group in the molecular structure.

The amines, however, represent only a few of the Monsanto Intermediates available to American Industry. For a complete list, full descriptions, and technical advice on your particular problems, inquire: MONSANTO CHEMICAL COMPANY, St. Louis, U. S. A.

AVAILABLE AMINES

o-Aminodiphenyl, Tech.
p-Aminodiphenyl, Tech.
o-Anisidine
p-Anisidine
o-Chloraniline
m-Chloraniline
p-Chloraniline
2:5 Dichloraniline
Cyclohexylamine
Dicyclohexylamine
o-Nitraniline
2:4 Dinitraniline
o-Phenetidin
p-Phenetidin



Mol. Wt.
$C_6H_4 \cdot OCH_3 \cdot NH_2 = 123.08$

ORTHOANISIDINE

MONSANTO SPECIFICATIONS

Appearance: Reddish brown to amber liquid.

Crystallizing Point: 5.3°C. minimum.

Solubility in HCl: Complete.

Distillation Range: 223.0° to 226.0°C. (95% within 1.2°C.)

Mol. Wt.
$C_6H_4 \cdot OCH_3 \cdot NH_2 = 123.08$

PARA ANISIDINE

MONSANTO SPECIFICATIONS

Appearance: Brownish crystalline mass —subject to darkening on aging.

Crystallizing Point: 57.2°C. minimum.

Distillation Range: 240.0° to 243.0°C. (95% within 2°C.).

MONSANTO CHEMICALS
SERVING INDUSTRY . . . WHICH SERVES MANKIND

Drugs, Fine Chemicals

Resublimed Iodine and Potash Iodide Rise Reestablishes Parity with Cost of Crude—Castor Oil and Beans Higher —March Mercury Data Issued

Undercurrents in the market for drugs and fine chemicals swept steadily along in a current as strong as at any time during recent weeks. Underneath the market was a deal of high pressure originating in the excellent demand that consistently finds decreasing stocks a hindrance to the easy satisfaction of current requests. Prices seemed basically firm and producers of most items reported extremely firm schedules.

Higher quotations were established on resublimed iodine and potash iodide. This rise was in the nature of a price readjustment made for the purpose of reestablishing values on a parity with the prevailing cost of crude iodine. The reduction made some time ago had no basis in the price of crude iodine at that time.

Rising costs on castor beans in Brazil sent castor oil into another advance and left the new schedules in extremely firm if not actually strong positions. Demand for caffeine alkaloid for export was emphasized by the reported sale of 1,000 to 1,500 pounds for ultimate delivery to Japan. Export save under license stops on May 6. The two pounds of soda cacodylate reported available in the previous week have been sold.

Bismuth subcarbonate for X-ray purposes was lower to an extent identical with the reduction on subcarbonate during the previous trading period. Quicksilver was lower but still in the limited spot supply. Bureau of Mines' statistical data covering March activities were released and appear in the market report on mercury.

Price Changes

Advanced

Castor beans, $3 per long ton.
Castor oil, 1c. per lb.
Iodine, resublimed, 25c. per lb.
Potash iodide, 15c. per lb.

Reduced

Bismuth subcarbonate, X-ray, 23c. per lb.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
209.8	209.1	207.9	200.2

Market news that may have developed after this report was sent to press will be found on page 4.

Acid, Ascorbic.—No further decline. Volume excellent.

Acid, Citric.—Prices to hold unchanged. Large maker issues official statement as follows:

It has come to our attention that some resale factors are advising the trade that, with the approach of summer and consequent heavier consumption of citric acid in the beverage industry, all consumers of the product may be faced with a market shortage. As large manufacturers of this acid we wish to declare emphatically that there is no justification for such misleading reports. We have ample supplies of raw material, have no intention of advancing our prices, and can see no reason why the manufacturers of this acid in the United States cannot take care of the legitimate requirements of this country.

Acid, Fumaric.—Very steady. Excellent consuming outlet.

Acid, Mandelic.—Price stability and substantial demand rule.

Acid, Nicotinic. — Consumption at high levels. Market for every pound available. Return to normal supply expected.

Acid, Tartaric.—Strong, active market. Supplies below requirements. Producers strive for equitable distribution of production.

Alcohol.—Demand gaining steadily. Production engaged well ahead. Outlook for strong demand never better. Raw material showing constant strength. Price tendency still upward.

Aloin.—Strong undertones supporting full price schedule.

Ammonia Chloride.—Major season ended. Total sales excellent during Winter period. Firm, stable prices.

Amyl Nitrite.—Fully stable market at $1.80 to $1.95 per pound according to quantity.

Antipyrene.—Consumption off due to seasonal influences. Firm.

Bismuth Metal and Salts.—No further changes. Only subnitrate, subgallate, and subcarbonate changed in previous week. Bismuth subcarbonate for X-ray dropped 23c., unannounced at that time. Market, $2.73 per pound in drums.

Borax. — Demand running to high figures. Stronger undertones.

Bromine and Bromides.—Good business at full prices. No shading reported.

Butyl Alcohol.—Consumption excellent. Very firm.

Cadmium.—Strength of metal reflected by all derived products.

Caffeine.—Japan has bought heavily. Recent export of 1,000 to 1,500 pounds of material bought at $8.50 to $9 per pound. Producers hold even, stable market at $2.60 on contract.

Camphor. — Consumption domestic synthetic accounts for every pound produced. Strong, stable prices. Japanese moderately easy. Do not meet price on synthetic.

Castor Oil.—Beans up to $62 per long ton. Oil prices on U.S.P. and No. 3 oil advanced 1c. per pound; U.S.P., tanks, 10½c. per pound; No. 3, tanks, 10¼c. No change in dehydrated, Reflects rising production cost.

CHICAGO, April 30.—Castor oil prices are higher:—Cold pressed, U.S.P., barrels, car lots, 12½c. per pound; barrels, less than car lots, 12⅝c.; returnable drums, car lots, 11⅜c.; drums, less than car lots, 12½c.; tanks, 10⅞c.; extracted, No. 3, barrels, car lots, 11⅜c.; barrels, less than car lots, 12½c.; returnable drums, car lots, 11½c.; drums, less than car lots, 11⅞c.; tanks, 10⅝c.

Cinchonidine.—No further development in surcharge charge.

Cinchonine. — Surcharge holds at 8½c. per ounce.

Cocaine.—Complete price stability maintained. Market normal.

Cocoa Butter.—Strong prices based on extreme scarcity. Beans higher.

Codliver Oil.—Very firm market. No great activity. Buyers await results of new fishing and production.

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Amer. Drug Mfrs. Ass'n, May 5-8, White Sulphur Sprs.
Proprietary Ass'n, May 12-14, New York.
Purchasing Agents Ass'n, May 26-29, Chicago.
Toilet Goods Ass'n, June 9-11, New York.
Amer. Phar. Mfrs. Ass'n, June 23-27, Swampscott, Mass.

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Pure and self-emulsifying Mono, Di and Tri substituted Glycerine and Glycol Esters

of

Stearic, Capric, Lauric, Myristic, Oleic, Palmitic, Ricinoleic, Soybean and Linseed Fatty Acids

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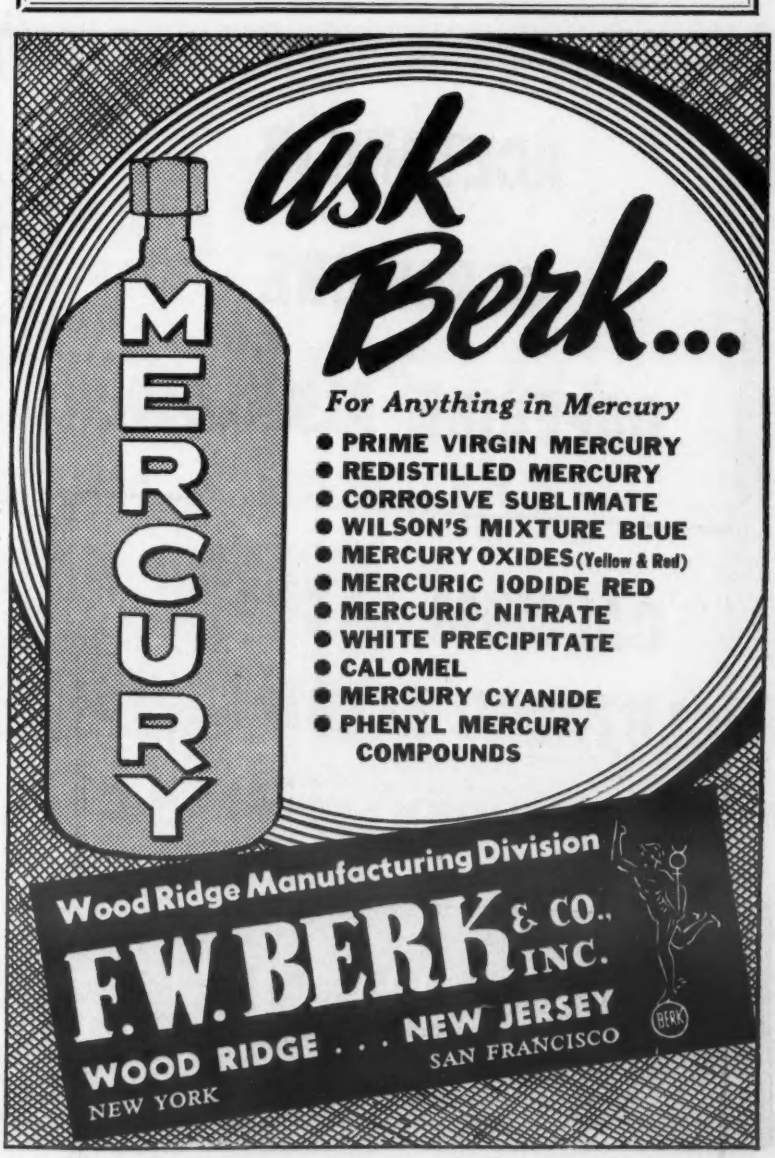

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CABLE ADDRESS: "CELAITCH"

There is not a commercial center of any importance in any part of the World where the Oil, Paint and Drug Reporter does not circulate

Cream of Tartar.—Demand excellent. Not all orders accepted.

Creosote.—Quotations noted but are virtually nominal. Nothing offered firm and without strings.

Emetine.—Likely to go higher. Raw material up sharply.

Fish Liver Oils.—Very firm. Interest centers mainly in resumption of production, especially of low potency oils. Good outlook for future.

SAN FRANCISCO, April 30.—Vitamin oil demand lags. Inquiries not in volume noted in previous weeks. Producing trade believes buyers are waiting for new season livers, when oil should be a little more plentiful. Prices unchanged. Ruling prices are:—

CRUDE SOUPFIN SHARK LIVER OIL.—High potency, 100,000 U.S.P. units vitamin A per gram, 7½c. to 7¾c. per million units, f.o.b. Pacific Coast, in drums; medium potency, 50,000 to 80,000 units, 6¼c.; 25,000 to 50,000 units, 5½c.; lower potency, upwards of 10,000 units, 4¾c.

CRUDE TUNA LIVER OIL.—Ranging in potency, 20,000 U.S.P. units vitamin D per gram, 55c. per million units.

Formaldehyde. — Demand ahead of available supply. Producers taking business only from regular customers. Raw material in subnormal production. Export inquiries numerous.

Glycerin.—Firm undertones in market of excellent activity. Actual requirements being met with fair promptness. Normal needs govern sales to regular consumers and customers. Prices well maintained in excellent stability.

CHICAGO, April 30.—Glycerin prices are:—Chemically pure, 12¼c. per pound, tanks; 12½c., drums; car lots, 13c.; drums, less than car lot, high gravity, 11¾c. per pound, tanks; 12c. drums, car lots; 12½c., drums, less than car lots.

Hexamethylenetetramine. — Production under influence of not too satisfactory output of raw material. Very firm undertones.

Iodine and Iodides.—Prices on resublimed iodine and potash iodide advanced 25c. and 15c. per pound, respectively. Base quotations are:—Resublimed iodine, $2 per pound; potash iodide, $1.35. Change in nature of readjustment to return quotations to position in line with cost of crude iodine.

Iodoform.—Price holds unchanged at $3.95 per pound in jars. Steady.

Magnesium Trisilicate.—Stable quotations in active market.

Methanol. — Undertones gain strength. Production affected adversely by consumption of ammonia. No surplus of supply. Sellers cautious on new inquiries. Monthly statistics production of crude and synthetic methanol, almost the entire output of commodities in the United States, released by Director William L. Austin, Bureau of Census, Department of Commerce, follow:—

Production

	Gallons			
	1941		1940	
	Synthetic.	*Crude.	Synthetic.	*Crude.
Jan..	3,420,013	449,529	3,452,677	457,271
Feb..	3,170,636	435,079	3,782,402	446,815
Mar..	3,672,830	454,817	3,462,946	506,937
Tot.	10,263,479	1,339,425	10,698,025	1,411,023

* Refined equivalent would be approximately 85 percent of the crude production.

Wood Carbonized

	Cords	
	1941.	1940.
January	47,502	44,323
February	43,401	44,927
March	47,972	47,781
Totals	138,875	137,031

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PRICE
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ATLAS POWDER COMPANY
Industrial Chemicals Dept. Wilmington, Delaware

Methyl Acetone.—Very firm. Supplies subnormal in some quarters. Those with goods command price premiums. Demand active.

Potash.—U.S.P. acetate, bicarbonate, and carbonate very firm. Good demand. Production taken promptly.

Procaine.—Fully stable prices. Excellent demand. Export business growing. Some seek larger production.

Quicksilver.—Not much stock, but some price shading. Production on the rise in Far West. Quotation $180 to $182 per flask. March production was 21 percent over February and but 5 percent under the high rate of December, 1940. Consumption dropped 700 flasks, but was still abnormally high. March consumption up in Bureau of Mines report. High rate maintained. Statistics follow:—

	Flasks	
	Production.	Consumption.
1940—July	3,200	2,200
August	3,500	2,100
September	3,600	2,100
October	3,600	2,700
November	3,400	2,900
December	3,700	2,100
1941—January	3,100	2,900
February	2,900	4,700
March	3,500	4,000

Consumer-dealer stocks, March 31, 11,600 flasks. Producers' stocks, 350 flasks. Exports, March:—Data not yet available.

SAN FRANCISCO, April 30.—Quicksilver market not active. Shippers inclined to bargain with mine owners and shippers on a basis more advantageous to themselves. Production increasing some. Some view market in easier manner. Large portion of metal output next several months committed. Moderate sized parcels obtainable. Spot lots, small quantities, at $178 to $180 per flask.

Quinine. — No new developments. Strong, stable prices. Surcharge still tends to rise due to transport conditions on cinchona bark and manufactured quinine.

Resorcinol.—Prices confirmed. Very steady. Demand routine.

Salacin.—Steady market. Demand normally active. Fair stocks.

Santonin. — Inquiries developing along seasonal lines. Firm.

Silver Nitrate.—The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots from 1c. to 2c. more per ounce and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided.

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	24	34⅜	23½
Monday	24	34⅜	23½
Tuesday	24	34⅜	23½
Wednesday	24	34⅜	23½
Thursday	24	34⅜	23½
Friday	24	34⅜	23⅛

Soda Benzoate.—Normal activity in very firm market. Production meeting requirements fairly well.

Soda Bicarbonate.—U.S.P. in normal, sustained call. Firm prices.

Soda Cacodylate. — None available so far as known. Lot mentioned recently reported sold.

Strychnine.—Gaining strength.

Squibb Wins Bowling Cup in N.Y. League

The bowling team of E. R. Squibb Sons, Brooklyn, captured first place in the 1940-41 tournament of the New York Wholesale Drug Trade Bowling Association. Teams of the Mallinckrodt Chemical Works and Charles Pfizer & Co. tied for second place.

Leading scores from the New York teams will compete with Philadelphia and Baltimore teams in the forty-fourth annual tournament of the American Drug Trade Bowling Association, to be held in Atlantic City, May 9-10. Members of the New York team will be:—Mike Arax and John Bomba, both of Mallinckrodt Chemical; John Postin and Al. Dinger, both of Church & Dwight Company; John Petito and J. McMurtire, both of Carbide & Carbon Chemicals Corporation,, and Carl Maidle and C. Schratzimeier, both of Charles Pfizer & Co.

Stanley A. Thompson, secretary-treasurer of the Northwestern Paint and Varnish Production Club, has resigned from Forman, Ford & Company, Minneapolis, to join the paint and varnish research division of Archer - Daniels - Midland Company, Minneapolis.

Millmaster to Sell For Berkeley Chemical

The Millmaster Chemical Company has completed arrangements to act as sole selling agent for the Berkeley Chemical Corp., according to Robert J. Milano, of the Millmaster organization.

The Berkeley Chemical Corporation, which expects to complete this month a new unit to its plant at Berkeley Heights, N. J., will specialize in the manufacture of a general line of fine and pharmaceutical chemicals, including benzo naphthol N.N.R., antipyrine U.S.P. XI, aminopyrine U.S.P. XI, phenetsal and a-monobromo-isovalerylurea.

The Millmaster Company, with executive offices at 551 Fifth avenue, this city, in addition to acting as sales agents for Berkeley, distributes a wide line of fine and industrial chemicals.

Spain to Obtain Glycerin From Sulphur Olive Oil

Glycerin is now to be obtained from green sulphur olive oil in Spain by order published by the Ministry of Industry and Commerce. Approximately one-half of the anticipated 1941 production or 15,000,000 kilograms of sulphur oil will be destined for the manufacture of glycerin. This must be accomplished within three months. according to the Department of Commerce. The National Syndicate of Chemical Industries is charged with ordering the erection of plants for such treatment in the localities it may deem opportune in order to overcome the transportation difficulties. The order states that the existing difficulty in importing greases presents grave problems to the industries of national defense, such as the explosives industry which is unable to obtain the glycerin it requires.

Henry B. Gilpin Company, wholesale druggist, Baltimore, has canceled 180 shares of authorized, but not issued, common $100 stock, leaving an authorized total of 2,481 ¼ shares.

Trade Briefs

Baltimore Drug Exchange will hold its annual outing June 6 at the Hillendale Golf Club.

Philadelphia Drug Exchange will hold its annual outing June 4 at the LuLu Country Club.

John R. Hay has been named assistant secretary and export manager for the Scott Paper Company, succeeding John Hagar, who was chosen to manage the company's industrial sales division at Pittsburgh.

Feeding oil for poultry and live stock, packed in sanitary and convenient five-gallon lithographed pails as well as larger drums is being marketed by the National Oil Products Company, Harrison, N. J., under the trade name, 'Nopco 85.'

Robert B. Brown, assistant vice-president of the Bristol-Myers Company, manufacturer of medicines and cosmetics, this city, has been appointed a member of the governing committee of the Cooperating Analysis of Broadcasting.

Export Advertising Association has elected as president, J. J. Clarey, jr., foreign advertising manager for Bristol-Myers Company, and as vice-president, Frederick Moeller, export salesmanager for the Lehn & Fink Products Corporation, Bloomfield, N. J.

Chicago Drug Club Party Set

Chicago Drug and Chemical Association has completed its entertainment program for its Spring party, to be held in the Palmer House Saturday evening, May 24.

Merck Delay Stock Offering

Merck & Co., manufacturing chemist, Rahway, N. J., has filed an amendment with the Securities and Exchange Commission to defer effective date of its registration statement covering the issuance of additional common stock.

Exchange

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Drug Sales Analyzed

Slightly less than 37.6 percent of the drugs and medicines produced in the United States in 1939 were sold from plants to wholesalers, while 29.5 percent were sold by selling organizations owned and operated by manufacturers, and 16.4 percent went direct to retailers for resale. An additional 9.3 percent were sold from point of production to industrial, professional, institutional, etc., users, while 4.2 percent were sold direct to buyers in other countries and 0.9 percent to export intermediaries. A relatively small amount was produced for sale in retail stores owned and operated by producers of drugs and medicines, according to the Census of Manufacturers.

This industry consisted of 1,094 establishments with value of products for the year 1939 amounting to $364,985,404. Of the 1,094 establishments, 1,078, with products valued at $362,282,456, reported an analysis of their sales. Sales and intracompany transfers of these 1,078 plants amounted to $371,097,000.

VITAMIN PRODUCTS
FISH LIVER OILS
THE ATLANTIC COAST FISHERIES COMPANY
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PYROCATECHIN
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RESORCIN—(Technical—U. S. P.)
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U.S. Revenue Returns Show Increase in March

U. S. revenue returns show increase in March collections of excise taxes by the Bureau of Internal Revenue, Washington, for March, 1941, compared with March, 1940, as follows:—

Taxes Collected

	March 1941.	March 1940.
Coconut, etc., oils processed	$1,807,175.70	$1,378,331.03
Distilled spirits, domestic, excise tax $3 per gallon....	32,554,049.00	23,328,842.59
Distilled spirits, imported, excise tax $3 per gallon....	2,635,011.19	1,618,129.27
Gasoline	26,439,543.60	14,909,663.67
Lubricating oils	3,536,245.46	2,074,041.54
Matches	20,002.38	20,795.26
Narcotics, including special taxes	32,298.12	30,133.91
Oleomargarin excise taxes..	78,859.75	69,261.22
Oleomargarin special taxes.	14,035.87	10,635.51
Toilet preparations	578,439.67	564,874.98
Transportation of oil by pipeline	1,291,550.29	1,032,149.42
Total internal revenue.	$1,472,294,600.32	$861,167,802.14

Quantities Taxed

Distilled spirits, domestic tax, gallons	11,024,854	10,412,688
Distilled spirits, imported tax, gallons	902,764	788,959
Distilled spirits, rectified, proof gallons	3,331,368	2,860,520
Oleomargarin, colored, pounds	37,318	28,468
Oleomargarin, uncolored, pounds	29,813,500	26,565,368

American Car & Foundry Opens New Paint Shop

The American Car & Foundry Company has placed in service at its St. Louis plant what is considered by many experts to be the most complete and up-to-date freight-car paint shop in the United States. This shop contains eight railroad tracks, and accommodates 115 freight cars at one time. Designed for year-around operation, 30 overhead unit heaters will maintain a comfortable 65 degrees, even in zero weather. The building is 660 feet long, 130 feet wide, and contains 86,000 square-feet of concrete flooring. Daylight illumination is supplied by 22,000 lights of glass in the walls and in the Aiken-type monitor roof, and the electrical illumination is of the latest type. The two 64-foot trusses which support the roof give a working clearance of 20 feet, and the entire floor area is free except for a single central row of steel columns.

Columbia Pharmacy School Course Leads to Sc.M.

A graduate curriculum in pharmacy leading to the master of science degree in the Columbia University College of Pharmacy has been adopted by the University Council to meet the rising demand for highly trained specialists in the American pharmaceutical industry, it is announced by Dr. Charles W. Ballard, dean of the College of Pharmacy.

Open to only ten students in residence each year, the new program, which begins in September, will include elective courses given in the schools of medicine and engineering and in the departments of chemistry, botany, and zoology. Of the thirty points of graduate work required for the degree, twenty must be completed in College of Pharmacy courses.

Chemists' Club, this city, will hold its annual meeting and election for officers May 7 at 6:00 p.m. in the clubhouse.

Sulfoguanidine Used to Treat Infections in Intestines

Sulfoguanidine, first prepared in the Stamford laboratories of the American Cyanamid Company, this city, and covered in the recently issued U. S. Patent 2,218,490, has proven to be a most efficacious agent against infections such as bacillary dysentery, which are localized in the intestinal tract. Throughout the world selected physicians are studying the drug from a clinical point of view to determine its range of effectiveness and to make absolutely certain that no injurious side effects result from its use. When all this preliminary work is completed and it is known just what the drug will do and how it should be used, it will be released for general clinical use.

Y. Heschmatt, has established a business as importing and exporting representative in the avenue Bouzard-jomehri Seraye Saadi, Teheran, Iraq.

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YELLOW DISTILLED
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DYNAMITE
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Industrial Uses of Chemicals and Related Materials

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Photographic

Sensitizer (U.S. 2072908) in—
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Diamond Dust

Abrasives

Impregnating agent for—
Resinoid wheels used in truing abrasive and grinding discs and wheels

Automotive

Lapping (relapping agent) for—
Boring tools
Cutting tools
Drilling tools
Finishing tools
Reaming tools
Turning tools

Jewelry

Grinding agent for—
Gem stones
Polishing agent for—
Gem stones

Mechanical

Lapping (relapping agent) for—
Boring tools
Cutting tools
Drilling tools
Finishing tools
Punching tools
Reaming tools
Turning tools

Metal Working

Lapping (relapping) agent for—
Cutting tools
Diamond dies
Grinding tools
Metal saws
Tungsten-carbide dies

Dimethylmethylenediamine (Unsymmetrical) Sulphate

Rayon

Delustring agent (Brit. 503548) for—
Viscose rayon

Ethylphthalyl Ethylglycolate

Adhesives

Solvent or plasticizer in—
Adhesive compositions containing cellulose acetate or nitrocellulose

Ceramic

Solvent or plasticizer in—
Compositions containing cellulose acetate or nitrocellulose, used as coatings for protecting and decorating ceramic products

Chemical

Solvent or plasticizer in—
Cellulose acetate
Nitrocellulose

Cosmetic

Solvent or plasticizer in—
Nail enamels containing nitrocellulose

Electrical

Solvent or plasticizer in—
Insulating compositions, containing cellulose acetate or nitrocellulose, used for covering wire and in making electrical machinery and equipment

Glass

Solvent or plasticizer in—
Compositions, containing cellulose acetate or nitrocellulose, used in the manufacture of nonscatterable glass and as coating for protecting and decorating glassware

Leather

Solvent or plasticizer in—
Compositions, containing cellulose acetate or nitrocellulose, used in the manufacture of artificial leathers and as coating for decorating and protecting leathers and leather goods

Metal Fabricating

Solvent or plasticizer in—
Coating compositions, containing cellulose acetate or nitrocellulose, used for protecting and decorating metallic articles

Miscellaneous

Solvent or plasticizer in—
Coating compositions, containing cellulose acetate or nitrocellulose, used for protecting and decorating articles of various sorts

Paint, Varnish, and Lacquer

Solvent or plasticizer in—
Paints, varnishes, lacquers, enamels, and dopes containing cellulose acetate or nitrocellulose

Paper

Solvent or plasticizer in—
Compositions, containing cellulose acetate or nitrocellulose, used in the manufacture of coated papers as coatings for protecting and decorating products made of paper or pulp

Photographic

Solvent or plasticizer in making—
Films from cellulose acetate or nitrocellulose

Plastics

Solvent or plasticizer in making—
Laminated fiber products
Molded products
Plastics from nitrocellulose or cellulose acetate

Resins

Solvent or plasticizer for—
Most resins
Resin-nitrocellulose compositions

Rubber

Solvent or plasticizer in—
Compositions, containing cellulose acetate or nitrocellulose, used as coatings for decorating and protecting rubber products

Stone

Solvent or plasticizer in—
Compositions, containing cellulose acetate or nitrocellulose, used as coatings for decorating and protecting artificial and natural stone

Textile

Solvent or plasticizer in—
Compositions, containing cellulose acetate or nitrocellulose, used in the manufacture of coated fabrics

Wood

Solvent or plasticizer in—
Compositions, containing cellulose acetate or nitrocellulose, used as protective and decorative coatings on woodwork

Methylpyridin

Chemical

Preventer (Brit. 502838) of—
Decomposition of chlorinated organic solvents in vapor form either by moisture or by metals when used in degreasing, cleaning, or extraction operations
Reactant in—
Organic syntheses
Stabilizer (Brit. 502838) for—
Chlorobenzene
Dichlorobenzene
Dichloroethane
Tetrachloroethane
Tetrachloroethylene
Tetrachloromethane
Trichloroethane
Trichloroethylene
Trichloromethane

Nickel Pectinate

Disinfectant

Claimed (Brit. 502403) as—
Toxic to bacteria, but harmless to the human body

Food

Claimed (Brit. 502403) as—
More dispersible than pectin itself as source of pectin in water or fruit juices
Source of pectin (Brit. 502403) for—
Candy jellies
Food products
Jams, jellies, and the like
Mayonnaises
Sherbets

Pharmaceutical

Claimed (Brit. 502403) as source of pectin for use—
Externally, as an aqueous dispersion, or on gauze, or in ointments
Internally, admixed with cereals, soup, potatoes, milk, or other beverages

Paraphenylenediamine, Methylated

Insecticide and Fungicide

Discoloration preventer (Brit. 501487) for—
Copper naphthenate
Copper oleate
Copper resinate
Copper stearate
Mercury laurate
Mercury naphthenate
Mercury oleate
Mercury palmitate
Mercury resinate
Mercury stearate

Paint, Varnish, and Lacquer

Discoloration preventer (Brit. 501487) for—
Cobalt linoleate
Cobalt naphthenate
Cobalt oleate
Cobalt palmitate
Cobalt resinate
Cobalt stearate
Copper laurate
Copper naphthenate
Copper oleate
Copper palmitate
Copper resinate
Copper stearate
Lead laurate
Lead linoleate
Lead naphthenate
Lead oleate
Lead palmitate
Lead resinate
Lead stearate
Manganese laurate
Manganese linoleate
Manganese oleate
Manganese palmitate
Manganese resinate
Manganese stearate
Mercury erucate
Mercury laurate
Mercury oleate
Mercury palmitate
Mercury resinate
Mercury stearate

Potassium Methylate

Chemical

Reagent (Brit. 304118) in making—
Ketonic acid esters with the aid of allyl, amyl, butyl, heptyl, hexyl, propyl, and other alkyl esters of the following acids—

Acetic	Metanilic
Anthranilic	Mucic
Benzoic	Naphthionic
Butyric	Oxalic
Camphoric	Palmitic
Capric	Phenylacetic
Caproic	Phthalic
Caprylic	Picramic
Chloroacetic	Picric
Cinnamic	Propionic
Citric	Pyrogallic
Cresylic	Salicylic
Gallic	Succinic
Lactic	Sulphanilic
Maleic	Tartaric
Malic	Trichloroacetic
Malonic	Valeric

3-Pyridyl-Mercuric Nitrate

Adhesives

Suggested as preservative for—
Adhesive compositions and ingredients

Cosmetic

Suggested as preservative and disinfectant for—

Creams	Ointments
Emulsions	Other preparations
Face powders	

Disinfectant

Germicide having the following characteristics—
Maximum effective dilution, parts water per part mercurial:
Staphylococcus aureus, 1,700,000
Bacillus coli, 400,000
Relatively low host toxicity

Glue and Gelatin

Suggested as antimold agent for—
Glue
Gelatin

Ink

Suggested as preservative for—
Drawing inks
Emulsified inks
Lithographic inks
Printing inks
Writing inks

Insecticide and Fungicide

Suggested as disinfectant for—
Plant seeds

Miscellaneous

Suggested as antimold agent for—
Glue

Paint, Varnish, and Lacquer

Suggested as antimold agent for—
Glue sizes

Paper

Suggested as antimold agent for—
Coating compositions
Glue sizes

Soap

Suggested as disinfectant and preservative for—

Soaps	Soapstocks

Tetramethylthiuram Bisulphide

(Additional uses—supplementary to information in the book, Uses and Applications of Chemicals and Related Materials—see bottom of this page)

Petroleum

Stabilizing agent (Brit. 462146) for—
Viscous, highly refined mineral oils, such as transformer oils, lubricating oils, and the like

Uses and Applications *of Chemicals and Related Materials*

A cloth-bound book of 665 pages (6 x 9) containing information similar to that above on 5167 materials

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(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

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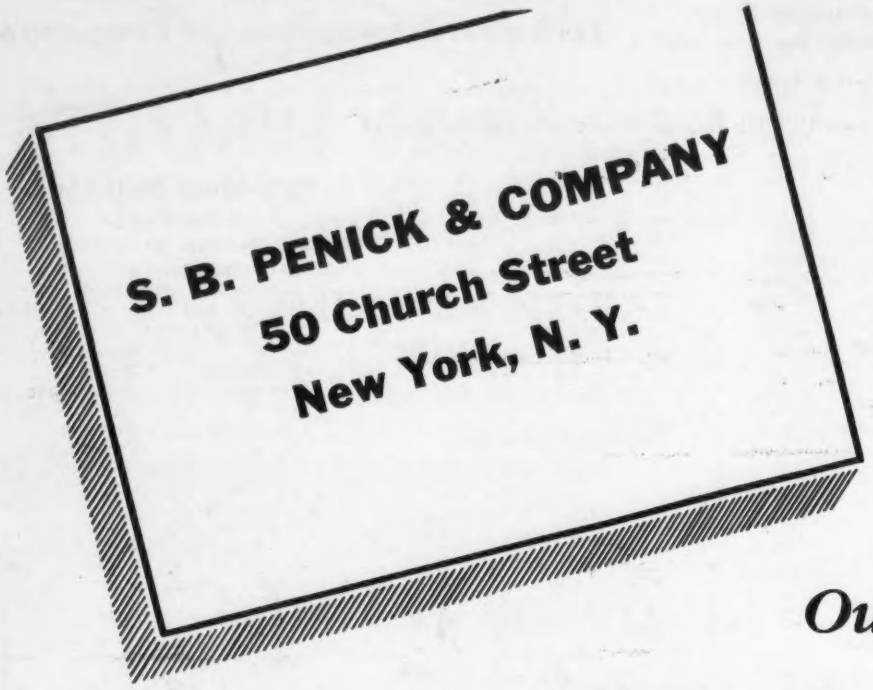

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THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

Dr. Eggleston Elected U.S.P. President

—Continued from page 3

elected at the decennial meeting in May, 1940. His elevation to the presidency makes him a member of the board of trustees.

Dr. H. A. B. Dunning, Baltimore, first vice-president of the convention, declined election to the presidency, communicating his views in the matter to Dr. E. F. Kelly, chairman of the board of trustees, as follows:—

I received your letter directed to me at Belleair, Florida, and learned, with regreat, of the death of Dr. C. W. Edmunds, president of the United States Pharmacopeial Convention.

I presume that it is logical for me, as first vice-president of the convention, to succeed Dr. Edmunds, from the viewpoint of usual parliamentarian practice. I am, however, declining the succession because, for a long time, I have had only the slightest contact with the work of the convention and, therefore, have not the needed experience and knowledge required for the satisfactory solution of the problems involved.

You will recall that, some time ago, I offered a criticism of the method of nominating and electing the members of the pharmacopeial convention. I said that, in my judgment, the essential requisites for these important positions should be represented by merit, ability, and experience and that this idea particularly applies to the first vice-president, who should meet all the necessary requirements of the president, in case of the elimination of the latter. I also suggested that the first vice-president should become a nonvoting member of the board of trustees so that he may be fully informed and trained in the work of the convention.

Another reason for my withdrawal is that I believe that the traditional plan, which has been in force for many years, providing for a medical man as president of the convention, and a pharmacist as chairman of the board of trustees, is a good one and should be maintained.

From the statements which I have offered, it is obviously my judgment that the president and first vice-president of the convention should both be physicians.

Dr. Eggleston has wide repute as a pharmacologist, especially in the field of cardiac and circulatory therapeutics. He is a native of Brooklyn, N. Y., and is fifty-six years of age. He studied in the University of Jena, Germany, until 1903 ,and he was graduated from Cornell University Medical College in 1907 with the degree of M.D. He is consulting physician at the New York Infirmary for Women and Children and consultant cardiologist at the Willard Parker Hospital and the Hospital for Rup tured and Crippled; visiting physician, Bellevue, Second (Cornell) division; associate attending physician, New York Hospital; associate professor of clinical medicine, Cornell University Medical College; fellow of the American Medical Association, the New York Academy of Medicine, and the Association of American Physicians; fellow emeritus of the American Society for Clinical Investigation; member of the New York Heart Association, American Heart Association, and other societies. He is also editor of the Progress of Therapeutics department, *American Journal of Medical Sciences*, and author of Essentials of Prescription Writing and of many original researches in pharmacology and therapeutics.

McK.&R. Trustee Offers New Slate of Directors

—Continued from page 3

of the protective committee for the McKesson debentures, and Robert L. Hamill, a member of this committee.

The ten directors specified in the plant, present executive officers and directors of the company, are J. L. Bedsole, George V. Doerr, T. O. Duff, Henry D. Faxon, B. B. Gilmer, Leo A. Lanigan, C. F. Michaels, W. J. Murray, jr., A. H. Van Gorder and McKay Van Vleet.

Mr. Wardall will also be a member of the board.

Dr. Kilmer & Co., medicine manufacturer, Binghamton, N. Y., has changed its corporate name to Ilmerka, Inc.

U.S. Industrial Alcohol Buys Empire Distillery Corp.

The Empire Distilling Corporation of New York, alcohol producer at Yonkers, N. Y., has been purchased by the U. S. Industrial Alcohol Company, this city. The property will be merged with the production units of U. S. Industrial Alcohol. The acquisition will be operated as a source for bulk goods and will, in effect, serve to increase the quantity of alcohol produced by U. S. Industrial Alcohol in this area.

American K.A.T. Corporation has opened an office in Philadelphia, under the direction of F. C. Coe. The company sells an all-colloidal water treatment for boilers, evaporators and water-cooled engines.

Vanilla Beans—Tonka Beans

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Botanical Drugs, Spices, and Gums

Ipecac Root Prices Jump Following Japanese Buying at Source —Gentian Root Prices Climbing—Gamboge Gum Up as Stocks Decrease—Vanilla Higher

Plenty of inquiry for botanical drugs was met with a disposition of sellers to go slow in prompt delivery sales pending further unfolding of the future of stocks here and at primary market points. Undertones in the market revealed strong price positions on the majority of items and the market was clear of any important amount of local competition.

More and more was the world-wide crisis in shipping playing its part in the determination of the future courses of all prices. Particular difficulty has developed in moving goods from the Far East as well as from South American points to the spot. This situation affects numerous important materials, not the least among which were cube, barbasco, derris, and the like. Such items and their present primary market position seemed to forecast a stronger market on insecticidal products.

Signs of some increase in steamers from the Far East were noted. One American shipping company was reported increasing its steamers plying the shipping lanes to this country. Some special charters of vessels have been made but as high as $40 per ton has already been paid to get goods aboard such ships.

An amended form of the Federal specification for ground and whole spices (EE-S-631a) will become effective for Navy Department purchases only August 1. Copies may be procured at 5 cents each from the Superintendent of Documents, Government Printing Office, Washington.

Balsams

Copaiba.—Fair demand. Firm prices. Moderate stocks.

Fir.—Consumption at excellent volume. Very firm.

Barks

Cascara.—Higher spot at 18c. to 19c. per pound. Numerous inquiries sent primary market bring no replies. Peeling started.

Cottonroot.—Needs met. Ample stocks. Steady prices.

Cramp.—May have difficulty getting normal collection genuine species bark.

Orange Peel.—Peel from new sources of supply finding market.

Wahoo.—Steady to very firm. Moderate demand and stocks.

Beans

St. Ignatius.—Slow market. Firm prices.

Vanilla.—Strong nominal prices. Bourbons, $11 per pound; Mexican cuts, $9.50. Whole, $10.50. Stocks being reduced. Little chance of getting substantial replacements. Efforts to get beans through British blockade still being made.

Imports and Detentions

Entries of botanicals at the port of New York, since the week of January 1, 1941, and the detention of these items by the Food and Drug Administration because of the presence of matter rendering them unfit for human consumption were:—

	Bags Detained.	Bags Entered.
Anise	...	895
Belladonna	19	19
Caraway	...	207
Cardamom (cases)	...	1,277
Celery	35	61
Coriander	12,546	24,508
Cumin	2,989	5,688
Digitalis leaves (cases)	...	...
Dill	3,118	11,660
Fennel	136	982
Henbane leaves (bales)	...	20
Mustard	...	4,942
Poppy	136	1,047
Sage leaves (bales)	134	3,084
Sesame	340	656
Stramonium	...	...
Thyme	395	451

Price Changes

Advanced

Areca nuts, powdered, 1c. per lb.
Cardamom, green, 5c. per lb.
Cascara bark, 1c. per lb.
Ergot, 10c. per lb.
Gentian root, whole, 8c. per lb.
ground, 9c. per lb.
powdered, 9c. per lb.
Gamboge gum, 20c. per lb.
Ginger root, Cochin, 1c. per lb.
Ipecac root, whole, 45c. per lb.
powdered, 40c. per lb.
Paprika, Portuguese, fancy, 4c. per lb.
good, 5½c. per lb.
Spanish, extra fancy, 2½c. per lb.
fancy, 3c. per lb.
Algerian, 1c. per lb.
Pepper, black, Lampong, ½c. per lb.
Pimento, Mexican, ½c. per lb.
Vanilla beans, Mexican, $1 per lb.
Bourbon, $1.50 per lb.

Reduced

Cumin seed, Morocco, ½c. per lb.
Cyprus, ½c. per lb.
Clove, Zanzibar, ½c. per lb.
Horehound herb, 1c. per lb.
Laurel leaves, Portuguese, 14c. per lb.
Pimento, Jamaica, 2c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
251.2	250.4	252.5	193.5

Market news that may have developed after this report was sent to press will be found on page 4.

Berries

Fish.—Dull demand. Steady to firm prices. Moderate reserves.

Raspberries.—New crop period in Pacific northwest nearing.

Flowers

Arnica.—Scarce. Prices nominal. No open market offerings.

Chamomile.—Most needs for Hungarian flowers met.

Pyrethrum.—Buyers still aloof from lower priced Japanese item. Japanese still refuse to sell basis Seil test at New York. Kenya Colony getting business.

Safflower.—Ability to move new goods from Near East doubted.

Saffron.—Firm to steady under jobbing request.

Gums

Arabic.—Virtually nominal on spot. Business to regular buyers done at 16c. per pound. No attempt to press goods for sale. Some arrivals forecast for

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Amer. Spice Trade Ass'n, May 12-14, New York.
Amer. Phar. Mfrs. Ass'n, June 23-27, Swampscott, Mass.

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✓ ASAFOETIDA GUM
✓ BENZOIN GUM
✓ BUCHU LEAVES
✓ CALAMUS ROOT
✓ CUDBEAR
✓ CINCHONA BARK
✓ DAMIANA Select
✓ DIGITALIS (116% Active)
✓ DOGGRASS CUT
✓ ERGOT (140% Active)
✓ EUPHORBIA PIL.
✓ FENNEL SEED
✓ GALANGAL ROOT
✓ GINGER
✓ GUAIAC GUM Glassy
✓ HAWTHORNE BERRIES
✓ HOREHOUND
✓ IPECAC ROOT
✓ IRISH MOSS
✓ KOLA NUTS
✓ MYRRH GUM
✓ OLIBANUM GUM
✓ ORANGE PEEL
✓ ORRIS ROOT
✓ PAPAIN
✓ PEPPERMINT
✓ PSYLLIUM SEED
✓ QUASSIA
✓ QUINCE SEED
✓ RHUBARB ROOT
✓ SANDALWOOD
✓ SARSAPARILLA
✓ SENEGA ROOT
✓ SENNA LEAVES
✓ SLOE BERRIES
✓ STRAMONIUM
✓ UVA URSI
✓ WILD CHERRY BARK
✓ PALE ROSE BUDS

◆ ◆ ◆ ◆ QUOTATIONS AND SAMPLES ON REQUEST ◆ ◆ ◆ ◆

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CELERY SEED
French and Indian
CLOVES, Madagascar
CORIANDER SEED
CUMIN SEED
FOENUGREEK SEED
MARJORAM LEAVES, French
PARSLEY SEED
SAGE LEAVES
SESAME SEED HULLED
THYME LEAVES, French
AMINOPHYLLINE
ASPIRIN, QUININE AND OTHER TABLETS
BARBITAL
CARBOLIC ACID CRYSTALS
EPHEDRINE SALTS
ICHTHAMMOL N.F.
MENTHOL
Japanese and Chinese
MILK SUGAR U.S.P.
STRYCHNINE SULFATE
COD LIVER OIL, Medicinal and Poultry Grades
VITAMIN PRODUCTS
PEPPERMINT OIL U.S.P.
SAVIN OIL
AGAR AGAR, Japanese
Shreds, Cut and Powder
ALOES, Curacao and Cape
ALTHEA ROOT
BALSAM COPAIBA
BALSAM PERU
BELLADONNA LEAVES
BELLADONNA ROOT
BUCHU LEAVES
COCILLANA BARK
CORIANDER OIL U.S.P.
FENNEL SEED, Indian
GENTIAN ROOT
GRAINS OF PARADISE
GUM ARABIC AMBER SORTS
GUM CAMPHOR, Japanese
HELLEBORE ROOT WHITE
HERBE MENTHE
HOREHOUND HERB
IPECAC ROOT
JUNIPER BERRIES
LAVENDER FLOWERS
LINDEN FLOWERS
MAHUANG, Chinese
MALEFERN ROOT
ORRIS ROOT
PSYLLIUM SEED
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June. Future of supply tied tight with military conditions and their effects on availability of ships from Port Sudan.

Gamboge.—Higher. Mass, 95c. to $1 per pound. Powder, $1.05 to $1.10. Reflects high cost and infrequency of replacements.

Karaya.—Slower arrival of goods from India indicated. Shipping space increasingly a problem. Very firm.

Tragacanth.—Firm but apparently stable market. Problem of future shipments from source still unsolved. Believed plenty of gum warehoused at source.

Herbs and Leaves

Belladonna. — Strong. Few open market orders. Purely a sellers' market.

Digitalis. — Normal collection domestic item expected. No price weakness likely.

Henbane.—Limited stocks in strong price position.

Laurel.—Greek quoted 55c. to 58c. per pound. Portuguese down to 54c. to 56c. per pound, influenced by pending arrivals.

Sage.—Tight situation. Practically no sellers. No firm prices.

Miscellaneous

Areca Nuts.—Sold at 12c. to 13c. per pound for powder. Firmer.

Cantharides. — Very firm despite moderate activity.

Ergot.—Firming steadily. Trend of European events may tangle with production of new crop in Spain. Spot $1.65 to $1.70 per pound.

Guarana.—Very good business done in some quarters. Firm.

Kola Nuts.—Tending firmer due to general strength in primary market.

Roots

Gentian.—Price trend reversal bring higher quotations. Whole, 50c. to 52c. per pound; ground, 55c. to 57c.; powdered, 56c. to 58c. Sellers highly reserved as stocks dwindle and replacement holds uncertain.

Goldenseal.—Moderate demand sufficient to hold market stable.

Ipecac.—Japan an important buyer in primary markets. Nothing offered from Nicaragua. Spot prices jumped to $1.65 to $1.95 per pound for whole; powdered, $1.75 to $2.05.

Mandrake. — Collection watched closely. Market tends firmer.

Tumeric.—Low stocks at nominal prices on Alleppy and Madras root. Haitian root finding market here.

Seeds

Anise.—Quiet demand. Firm to strong prices.

Caraway.—Limited stocks strong at high prices.

Cardamom.—Green up to $1.30 to $1.50 per pound.

Cumin.—Morocco and Cyprus seed shaded to 17½c. to 18c. per pound under competition.

Mustard.—Domestic crops likely to be late due to unfavorable season.

Spices

Clove.—Zanzibar spice quoted 20c. to 20½c. per pound. Basically firm.

Ginger.—African very firm at 12¼c. to 12¾c. per pound. Outside of range done. Cochin sold at 12¼c. to 12¾c. per pound. Jamaica showing firmer trend.

Paprika.—Higher. Portuguese, 36c. to 37c. per pound for fancy; good, 34c. to 36c. Spanish, extra fancy, 41c. to 42c.; fancy, 40c. to 41c.; Algerian, 34c. to 35c.

Pepper.—Black Lampong up to 6¾c. to 7c. per pound. Whites and reds firm. Fair trade out of spot stocks. No weakness now.

Trading in black pepper futures on the New York Produce Exchange from April 26 to May 2, inclusive, comprised 375 contracts. Following is a price record for the week:—

	Cents per pound—		
	High.	Low.	Close.
January	7.27	6.85	7.15@7.17
March	7.23	6.85	7.21@7.23
September	7.15	6.64	7.01@7.04
December	7.23	6.75	7.12@7.13

Pimento.—Jamaica spice down to 33c. to 35c. per pound but still in low supply. Mexican higher at 13½c. to 14c. per pound, spot or forward.

Talmadge B. Tribble New M.M.&R. Vice-President

Percy C. Magnus (right), president of Magnus, Mabee & Reynard, Inc., aromatic and essential oils, this city, dictates the announcement of Mr. Tribble's (left) election as vice-president during his recent visit to the new Chicago offices. Rowland C. Ringgold (center), roving M. M. & R. representative and assistant to the president, witnesses the ceremony.

Saltcake Output in U.S. Should Gain in 1940

Production of sodium sulphate from natural brines and saline deposits in the United States increased 36 percent in 1940 following a 71 percent increase in 1939 over the previous record output in 1938. Output of natural sodium carbonates increased 4 percent and shipments of borax and other boron derivatives decreased slightly in 1940, according to reports of producers to the Bureau of Mines.

The producers of natural salt cake, being favorably situated to the Southern producers of sulphate pulp, operated at capacity during 1940 in an effort to replace the supply of saltcake which formerly came from Europe. In consequence, domestic sales of natural sodium sulphate reached the all-time high level of 187,233 short tons valued at $1,528,633. During the latter part of the year, supplementing supplies from natural sources and from chemical plants, large scale production of "synthetic saltcake," was reported at Lake Charles, La., at the rate of several hundred tons daily.

According to the Bureau of the Census, domestic sales of saltcake from chemical works as well as natural sources amounted to 224,749 tons worth $2,291,944 in 1939, as against 241,347 tons valued at $2,367,616 in 1937. Sales in 1939 of anhydrous (refined) sulphate were 42,489 tons worth $689,599, in 1937, 21,797 tons valued at $312,286; sales of Glauber's salt were 34,493 tons worth $539,770 in 1939, as against 31,934 tons valued at $490,660 in 1937; and sales of niter cake 34,101 tons with a value of $607,284 in 1939, and 22,983 tons valued at $521,601 in 1937.

The imports of saltcake which dropped from 220,176 tons in 1937 to 142,429 tons in 1938, and made the slight increase to 148,794 tons valued at $1,394,484 in 1939, amounted to 73,027 tons valued at $1,009,694 in 1940, a decline of 51 percent in quantity. Germany which has hitherto supplied most of the imported saltcake, being credited with a total of 103,259 short tons valued at $931,553 in 1939, supplied but 2,240 tons valued at $24,000 in 1940.

Total shipments of boron minerals decreased a little less than one percent in both quantity and value, being 243,355 tons (ABA, 80,940 tons) valued at $5,643,390 in 1940 against 245,284 tons (ABA, 81,813 tons) valued at $5,689,797 in 1939. Peak production was in 1937, when the shipments were 358,898 short tons (ABA, 121,214 tons) worth $7,232,897. The output includes the sodium borates (borax and kernite), boric acid, and a small amount of colemanite (calcium borate).

Prescott Paint Distributing Luminous Paint Color Card

Prescott Paint Company has issued a color card showing the new luminous paint just developed by the Fluorescent Pigments Corporation, for which organization the Prescott company is sales agent. Copies of the color card may be obtained free from the Prescott Paint Company, 445 West Thirty-first street, New York, by mentioning the REPORTER.

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Essential Oils, Aromatic Chemicals

Lemongrass and Citral Advance as Each Become More Difficult to Obtain—California Orange Higher After Period of Marked Stability—Stocks Decreasing

Conditions in the market for essential oils and aromatic chemicals varied little from those prevailing over the past several weeks. Natural products were becoming increasingly scarce and substitutes for the same were gaining steadily in consumer interest and sales volume. Price tendencies were upward. And it was noted particularly that stronger undertones governed the aromatic chemical market.

Outstanding in price developments affecting natural oils was the rise in California orange. The change in quotations on distilled oil was the first since July, 1936, while that in expressed oil was the first since February, 1941. Stability of price so far as possible has been the keystone of sales policy on California oil and the advances last week were moderate when viewed in the light of the growing dependence of consumers on oil of home manufacture.

Lemongrass was a strong price feature. Citronella was firmer. Both originate in the Far East and both find steamer space increasingly hard to get. They are now being taken as deck cargo on the few ships on passage to this country.

Synthetics were very active. Citral and hydroxycitronellal were features, the former advancing to cover prevailing higher prices of raw material. Benzyl compounds were apparently stable. Cinnamic alcohol was scarce and prices tended upward.

Essential Oils

Almond.—Price on sweet oil firm to strong. No natural oil offered. Dealers here say domestic primary stocks less.

Amyris. — Dull. Steady in price. Limited as to supply.

Angelica.—Strong and scarce.

Anise.—Held at 80c. to 85c. per pound. Slightly unsteady.

Apricot Kernel.—Price range wide. Quoted 40c. to 48c. per pound as to seller.

Bay.—Very steady. Selling normally. Price range very wide as to seller.

Bergamot.—Artificial oil price range wide. Quoted $1.50 to $9.25 per pound. Quality sole arbiter. Good demand for good quality merchandise.

Birchtar.—Crude up to 50c. to 60c. per pound. Rectified offered firm in one quarter only. Price, $1.60 per pound.

Bois de Rose. — Firm at late advance. Selling in good volume.

Cajeput.—Technical up to 78c. to $1 per pound as to seller. U.S.P. IX oil 83c. to $1.45 per pound in cans; U.S.P. X, cans, 98c. to $1.85. Price range very wide as to seller.

Calamus.—None offered.

Camphor. — Firm at recent rise. Little competition. Active.

Cananga. — Strong mainly because of slowness of replacement and upward trend in primary market. Late spot advance maintained.

Capsicum (Oleoresin).—No shading of prices. Excellent call.

Cedarleaf. — Slightly lower some quarters. Price range very wide as to seller. Drums, 85c. to $1.35 per pound; cans, 82c. to $1.28. Quality varies. Prices in drums as to dealers were 82c., $1, $1.28 and $1.30.

Cedarwood.—Up slightly to 26c. to 28c. in drums and 28c. to 30c. in cans. Virtually no difference in dealers' price views.

Celery.—Moderate stocks. Production cost high.

Citronella. — Shipments may improve. More ships on passage to this country. Oil carried as dock load aids in getting goods started.

Clove.—Firm and active. No competition.

Coriander.—Single seller at $14.50 per pound. Others quote $17, $17.50, $19 and $20 per pound as to seller.

Croton.—Shaded to $2.35 per pound.

Price Changes

Advanced

Cajeput, technical, 12c. per lb.
Cedarwood, 1c. per lb.
Citral, 75c. per lb.
Cubeb, 15c. per lb.
Juniper tar, 5c. per lb.
Lemongrass, 15c. per lb.
Orange, distilled, 25c. per lb.
expressed, 50c. per lb.

Reduced

Apricot kernel, 3c. per lb.
Cedarleaf, 3c. per lb.
Croton, 15c. per lb.
Geranium, Bourbon, 25c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as fololws:—

Last week.	Prev. week.	Last month.	Last year.
196.1	196.4	190.9	107.5

Market news that may have developed after this report was sent to press will be found on page 4.

Range to $3. Two quote outside of range. One at minimum figure.

Cubeb.—Higher. Quoted $3.50 to $3.75 per pound. Two dealers quote minimum and two quote maximum prices.

Dill.—Steady to firm. Outlook excellent for good business.

Eucalyptus.—Call steady. No price shading.

Geranium. — Practically nominal. Single quoter on Algerian oil asks $14 per pound. Three quote on Bourbon, naming $13.75, $14 and $15 per pound, respectively.

Juniper.—No offerings. Last sales reported at $11 per pound.

Juniper Tar.—Sold at 55c. to 75c. per pound according to seller. One dealer quotes minimum price. Two offer at 60c. One at 75c.

Lavandin.—Limited quantity available at $5 per pound.

Lavender.—Two offerings reported. Both on 38-42 percent esters. Prices $10 and $12 per pound, respectively. Most dealers unable to quote.

Lemongrass. — Strong and advancing. Market $1.25 to $1.40 per pound. Few have spot oil to offer other than regular trade.

Lime.—Firm, spot and primary markets. West India oil taken mainly by Britain.

Mace.—Steady at $2.25 to $2.40 per pound.

Nutmeg.—Quoted $2.25 to $2.65 per pound. Single quarter asks top figure. Majority at $2.25.

Orange. — California oil advanced. Expressed now $2.75 per pound. Dis-

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Toilet Goods Ass'n, June 9-11, New York.

For 3 Reasons—Insist on . . .
M M & R TERPENELESS OILS
Because they have (1) greater solubility (2) higher concentration, (3) greater resistance to terebination and to atmospheric changes, M M & R Terpeneless Oils are preferred, by critical manufacturers, over normal oils. From the standpoint of economy, these performance-tested oils result in products that flavor truly and keep longer.
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D&O ESTABLISHED IN 1798
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OIL PEPPERMINT, Redistilled
OIL LIME, Distilled
OIL LIME, Expressed
OIL LEMON, Californian
OIL ORANGE, Distilled Californian
On contract or prompt delivery
DODGE & OLCOTT COMPANY
180 VARICK STREET NEW YORK, N. Y.
Boston Philadelphia Chicago St. Louis Los Angeles
Plant and Laboratories: Bayonne, N. J.

tilled, $1.15. First change in expressed oil since February 18. Advance in distilled first change since July, 1936. Reasonable price stability always the price policy of California producers. Dependence of consumers in American oil grows steadily greater.

Palmarosa.—Very firm, spot and source. Local quotations $3 to $3.25 per pound. Some dealers offer none.

Peppermint.—Interest now mainly in forward positions. Crop going into ground. Carryover believed fairly large.

Petitgrain.—Firm undertones and steady prices. Fair request.

Pimento.—Selling in fair volume. Steady to firm undertones.

Rose.—Interest in synthetic item large. Limited stock natural oil raises importance of synthetic material.

Sandalwood.—Leading producers succeed in getting sufficient raw material to supply all normal requirements for oil.

Spearmint.—Slightly on the easier side. No further price recession.

Aromatic Chemicals

Acetophenone.—Consumption normal. Very steady market.

Acid, Phenylacetic.—Movement very good. Firm undertones.

Alcohol, Benzyl.—Rather quiet. Steady undertone.

Alcohol, Cinnamic.—Selling at $2.33 to $2.95 per pound. Firm to strong. Scarce.

Alcohol, Phenylethyl.—Quoted $2.10 to $2.50 per pound as to seller.

Amyl Salicylate.—Fair activity at full market prices.

Anethol.—Raw material price declines not reflected.

Benzaldehyde.—Sellers highly reserved. Stocks low. Only regular customers supplied.

Benzophenone.—Quoted 85c. to $1 per pound. Reported steady to firm.

Benzyl Acetate.—Sales up moderately. Well stabilized.

Benzyl Benzoate.—Prices well maintained. Consumption good.

Benzyl Cinnamate.—Moderate demand. Steady prices.

Benzyl Formate.—Call very steady. Quotations stable.

Benzyl Propionate.—Quoted $2 to $2.25 per pound. Very steady.

Benzyl Salicylate.—Sold at $1.45 to $1.60 per pound as to seller and quantity.

Bromstyrol.—Range wide. Quoted $3.25 to $4 per pound.

Cinnamic Aldehyde.—Stocks not too plentiful. Very firm.

Citral.—Stronger due to lemongrass position. Spot $2.75 to $4 per pound as to seller and quality.

Citronellal.—Firmer. More active.

Citronellol.—Little competition. Active.

Diacetyl.—Ranging $9.50 to $11 per pound.

Diphenyl Oxide.—Well stabilized.

Ethyl Cinnamate.—Sales gain moderately.

Ethyl Vanillin.—Excellent activity.

Eucalyptol.—Firm. Demand quiet.

Eugenol.—Reflects raw material strength.

Geraniol.—Normal call. Firm.

Heliotropine.—Ranging $3 to $3.40. Very steady.

Hydroxycitronellal.—Tending higher.

Linalool.—Active and firm.

Linalyl Acetate.—Normal demand.

Methyl Anthranilate.—Stabilized.

Methyl Cinnamate.—Ranging $1.50 to $4 per pound as to seller.

Methyl Salicylate.—Good demand.

Musk.—Firm at recent advance.

Phenylacetaldehyde.—Firm undertone.

Phenylethyl Acetate.—No shading.

Safrol.—Firm to stronger.

Strolyl Acetate.—Quiet. Steady.

Terpineol.—Showing more strength.

Beauty Counselors, Inc., Marks Tenth Anniversary

Beauty Counselors, Inc., held its tenth annual banquet in the Book Cadillac Hotel, Detroit, April 17. Speakers included G. W. Beeman, president; N. S. Walbridge, vice-president; Mrs. Anna Krider, senior organizer; and Miss Hazel Cades, of the *Woman's Home Companion*. A. S. Bedell, treasurer, acted as toastmaster.

Niagara Chlorine Products Corporation, Lockport, N. Y., has increased its capitalization from $25,000 to $100,000.

Alcohol Tax Differential Will Be Requested May 5

—Continued from page 3

mittee last week by Secretary of the Treasury Henry Morgenthau, was voiced today by Marriner S. Eccles, chairman of the Board of Governors of the Federal Reserve Board.

Speaking at the annual meeting of the Chamber of Commerce of the United States, Mr. Eccles declared that the first source of defense revenue should be the corporation tax and the excess profits tax, because corporations in general are the greatest beneficiaries directly and indirectly from defense expenditures. The surplus accruing from the expanding national income, he said, tends to become concentrated in the first instance in the possession of business corporations.

Selective sales taxes which would have the effect of reducing demands for such products as automobiles, mechanical refrigerators, and other commodities which consume resources needed for defense, Mr. Eccles said, are justifiable and necessary at this time, while sales taxes on foodstuffs, clothing, and other necessaries are wholly unwarranted. Taxation, he said, is the most important single means of maintaining stability in the economy and of preventing either general inflationary or deflationary developments.

Mr. Eccles called for abandonment of "the idea that taxation is merely a means of securing revenue," arguing that the effects of taxation upon the economy should be the primary consideration. Ability to pay, he said, should be the guiding principle, and for this reason a general sales tax, which has been strongly advocated by business groups, would be a great mistake because it would fall heaviest on those least able to pay.

Reduced Spending Urged

Earlier, Ellsworth C. Alvord, chairman of the chamber of commerce's committee on finance, sharply criticized the treasury proposal as "severe and unrealistic," and called for united demand for, as well as support of, proper fiscal policies, with a substantial increase in nondefense production, as an effective and practical aid in preventing threatened inflation.

Mr. Alvord urged an immediate reduction in nondefense expenditures by the government of at least $2,000,000,000 as the first step to put the government's fiancial house in order. Not until that is assured, he said, should additional taxes be imposed. He criticised methods recommended by Treasury Department officials for raising new revenue, saying that, while its demands were realistic, its methods were "severe and unrealistic." The proposed rates, he said, "would raise havoc with those persons with definite and fixed commitments, which includes everyone in the $2,000 to $20,000 income field."

Mr. Alvord, summarazing revenue possibilities, offered the following estimates of returns:—

Approximately $1,000,000,000 from increased taxes on incomes, through a flat increase in the amount of income taxes to be paid, similar to the 10 percent defense tax of 1940; and about $1,500,000,000 from excise or sales taxes, or from a small tax on gross income withheld at the source, or both.

It was his opinion that, if $3,500,000,000 are to be raised, the yield of excise or sales taxes must be substantially increased and a withheld tax of at least 3 percent on gross income will be required.

More Excises Advocated

Meanwhile, hearings on the various tax proposals continued this week before the ways and means committee, and several new tax programs were submitted for consideration. The major proposal was presented to the committee by Colin B. Stamm, chief of staff of the Congressional Joint Committee on Internal Revenue Taxation. This program called for a reduction in the surtax rates of 11 percent on lower income brackets, as proposed by the Treasury Department, to 6 percent, and added a list of new excises to make up for the loss of revenue from the income taxes.

Excise taxes which Mr. Stamm submitted should be added to the list proposed by the Treasury Department were as follows:—

A use tax of $5 on automobiles, yachts, and airplanes, to raise $160,000,000.

Tax of 2 cents per gallon on fuel oil used for motor fuel, yield not estimated.

Tax of 3½ percent on production of natural gas, to yield $51,500,000.

Increase from $1.10 to $1.50 the tax on capital stock:—$50,000,000.

Placing second-class postage on a paying basis at a cost to newspapers, magazines, and other periodicals of $78,000,000.

A tax of 1 percent on insurance premiums:—$45,000,000.

Tax on pari-mutuels with a corresponding tax on bookmakers, to raise $50,000,000.

A one-cent-per-bulb tax on electric light bulbs:—$6,000,000.

Rental on lease of motion picture films to be taxed 5 percent:—$12,000,000.

Coin-operated devices, 5 percent of price for which sold or leased.

Tax of 5 cents per pound on coffee:—$100,000,000.

Tax of 5 cents per pound on cocoa:—$30,000,000.

Tax of 10 cents per pound on tea:—$8,000,000.

Tax of 1 cent per pound on sugar:—$69,000,000.

Tysdal Made Secretary Of Th. Goldschmidt Corp.

Even M. Tysdal has been named secretary of the Th. Goldschmidt Corporation, this city, according to John A. Livingston, president. His headquarters will be at the New York office of the company, 153 Waverly place.

Mr. Tysdal has been closely associated with the chemical, cosmetic and essential oil industries for thirty-one years. He was formerly with the National Aniline & Chemical Company as head of its laboratory, and later in charge of sales of coaltar intermediates in Chicago. Later Mr. Tysdal manufactured cosmetics and perfumes, and for the past eight years has been midwestern representative of the Th. Goldschmidt Corporation and Ungerer & Co.

Elmer B. Tysdal, brother of Mr. Tysdal will continue to supervise the production of Goldschmidt products and will assist in rendering technical service to the trade.

Dr. Katz Lectures at College On Aromatics, Essential Oils

Dr. Alexander Katz, treasurer of the Florasynth Laboratories, lectured May 1 and 2 at the Arizona State Teachers College on "Perfumes and Harmony," "Cultivation of Materials and Production of Essential Oils in the United States," "The Art of Compounding Essential Oils and Aromatic Chemicals," "Production and Purification of Synthetic Materials and Natural Isolates Derived from Natural Sources," and "Phases of Odors and Perfumes." The Florasynth Laboratories has offices in New York, Chicago, Dallas, Denver, Los Angeles and San Francisco.

Priority Legalization Favored in Congress

—Continued from page 5

failure to make deliveries under private contracts when delivery was impossible because of priority orders. Many concerns stated willingness to comply with voluntary preference ratings but expressed a fear that these nonstatutory priorities would not relieve them of contract obligations.

Emil Schram, chairman of the board of the Reconstruction Finance Corporation, has been appointed by Director E. R. Stettinius, jr., as Assistant Director of Priorities in charge of operations. He succeeds James F. Towers, executive vice-president of Ford, Bacon & Davis, Inc., industrial engineers, New York, who has been on leave from his business for several months. Mr. Schram will continue to serve as chairman of the board of RFC.

Armstrong Cork Forms Unit for Defense Business

Armstrong Cork Company, Lancaster, Pa., has formed ammunition division to control all activities of the company's defense armament production. John J. Fitzpatrick has been named general manager of the division. Mr, Fitzpatrick was formerly in charge of Armstrong operations in Spain

Origanum Oil Duty Depends on Phenols

There has been published by the Treasury Department as customs appeal decision 162 the transcript of the opinion of Judge Bland of the United States Court of Customs and Patent Appeals determining the duty on imported organium oil found to contain a small percentage of orthocresol. The presence of the unusual phenol was held by the court to indicate the synthetic origin of at least some of the origanum oil. The decision therefore was that the oil was dutiable under the last clause of paragraph 60 of the tariff act of 1930 rather than free of duty under paragraph 1731 or dutiable under paragraph 1558.

The published abstracts of this opinion are as follows:—

Origanum Oil

Certain origanum oil, imported from Spain and Morocco, held properly classified under the provision for "all mixtures or combinations containing essential or distilled oils, or natural or synthetic odoriferous or aromatic substances" in the last clause of paragraph 60, tariff act of 1930, as modified by the reciprocal trade agreement between the United States and France (T. D. 48316), rather than free of duty under the origanum oil provision in paragraph 1731, or dutiable under the nonenumerated paragraph 1558, as claimed by importer.

Spanish Origanum Oil

The evidence held to show that the Spanish oil contained from one-quarter to one-half of 1 per centum of orthocresol, a coaltar product which does not appear naturally either in the origanum plant from which the oil is distilled or in the natural origanum oil, and that the presence of orthocresol suggests definitely that the oil was either a mixture containing carvacrol (which occurs in the natural origanum oil and has the same chemical composition as artificial carvacrol) made synthetically from some coaltar distillate or that it was wholly a synthetic product made from orthocresol.

Spanish Origanum Oil

The significance of one-quarter to one-half of 1 per centum of orthocresol does not rest in its quantity in the imported merchandise, but in the fact that it was present, and aside from the possible construction of a statement made by a witness (an analytical chemist) for importer that he did not regard the presence of orthocresol as being an adulterant, the testimony is positive and unquestioned that the presence of a small amount of orthocresol suggests the original inclusion of a large amount of artificial carvacrol. Held that if the carvacrol came from any other source than from the origanum plant, it necessarily follows that under the proof as a whole the Spanish importation must be a mixture of some kind containing artificial carvacrol or a straight synthetic origanum oil made from a coaltar product.

Moroccan Origanum Oil

The optical rotation test given the fractions of the Moroccan oil as compared with that given the fractions of the pure origanum oil, produced from plants shipped from Morocco, showed a marked difference in the optical rotation reading of the fractions of the two materials, and this difference was relied upon by government chemists in arriving at the conclusion that the oil was adulterated. Importer not having satisfactorily explained the cause of the difference, it must be held upon the record that it was due to the fact that the component materials of the respective products differ, and that the imported Moroccan oil contained some foreign substance not contained in the natural Moroccan oil; that it was either a mixture embracing ingredients which are not contained in natural origanum oil or was a straight synthetic product.

Burden of Proof

Since the evidence shows that the merchandise was either a mixture as classified by the collector or a straight synthetic article, importer has not met the burden of showing that it was not such a mixture and that the classifications of the collector was erroneous; nor has importer proved that the merchandise was properly dutiable under either of the paragraphs claimed by it. A showing that an article may be either a mixture or a straight article is not a showing that it is not a mixture, and for the purposes of this case it is assumed without deciding or even intimating that the straight synthetic article to which reference is made is not a mixture within some pertinent provision of paragraph 60.

J. Berlage & Co., importer and exporter of essential oils and spices, long at 76 Beaver street, this city, has leased office space at 10 East Fortieth street.

Petroleum Products

Very Strong Demand Continues for Most Refined Products — Crude Oil Prices Moving Upward — Petrolatums and Crude Paraffin Higher—Pennsylvania Lubricants Up

The petroleum industry continues to experience a record demand for its products. Inventories are being drawn down steadily and prices are moving upward. Last week prices were advanced on crude oil from fields in Eastern Illinois, Western Indiana and the Illinois Basin. This followed the advances in Pennsylvania and California fields the previous week. Sweeping upward revisions were made throughout the Midcontinent earlier in the month. Indications are that further nation-wide boosts will be made due to diminishing production in certain Midwest fields, which is forcing Midwestern refiners to seek new sources in the Southwest. Prices on petrolatums again were moved upward.

Prices on crude scale paraffin were virtually nominal due to the extreme scarcity. White mineral oils were moving in routine fashion. Producers of solvents and naphthas and lighter fractions were considering near-future advances in keeping with the upward movement of crude. Gasoline was advanced in Group 3. Lubricating oil was very strong, with some advanced in Pennsylvania.

Governor W. Lee O'Daniel of Texas last week voiced his approval of the senate omnibus tax bill, passed by the house early in the week, which will increase the present oil production tax to 4⅛c. per barrel, for an expected revenue increase of $8,536,000 per year. It will go into effect when signed by the Governor.

Solvents and Diluents

Aromatic Naphthas. — Strong demand remained in the market. Offerings were not made too freely. Material was scarce for some types. Prices were stronger.

Cleaners' Naphtha.—Continued good demand reported. Price firm.

Lacquer Diluent. — Lacquer manufacturers were ordering in fairly large volume. Inquiries and new business were slightly off. Price was steady.

Mineral Spirits.—Offerings and demand were at previous levels. Movement was running far ahead of last year. Prices were showing strength.

Rubber Solvent. — Deliveries to Akron tire manufacturers were very large and regular during the period under review. Suppliers were pressed to meet demand promptly. Price was very firm.

Stoddard Solvent. — Consumption continued at a good pace. New business was active. Price was firm to strong.

V.M. & P. Naphtha.—Business was running far ahead of last year. Demand was well maintained. Contract orders and new business were large. Price was unchanged and very firm.

Markets at Other Centers

Chicago—May 2

Some irregularity is reported in these materials but for the most part there is a good tone. The paint industry demand remains active.

AROMATIC NAPHTHAS.—Active demand, market strong.

CLEANERS' NAPHTHA.—Good call reported, price holding.

LACQUER DILUENT.—Movement fair, no price change.

MINERAL SPIRITS.—Steady interest, quotations hold.

RUBBER SOLVENT.—Orders active. Market firm.

STODDARD SOLVENT.—Shipments fair, price steady.

V.M.& P. NAPHTHA.—Good buying, market firm.

New Orleans—May 2

A seasonal demand continued to be experienced on cleaning solvent and V.M.&P. naphtha, with prices exhibiting the usual stable trend.

CLEANING SOLVENT.—Demand routine; price steady.

V.M.&P. NAPHTHA—Movement normal; no change in price.

San Francisco—May 2

Demand for petroleum specialties continued good through last week. Defense orders are stimulating business.

AROMATIC NAPHTHAS.—Demand sustained.

PETROLEUM THINNERS.—Brisk.

LACQUER DILUENT.—Very good.

V.M.& P. NAPHTHAS.—Excellent demand.

RUBBER SOLVENT.—Tire manufacturers ordering out good quantities.

STODDARD SOLVENT.—Good demand.

CLEANERS' NAPHTHA.—Routine.

Tulsa—May 2

Further advances in crude oil prices are causing refiners to consider higher quotations for these materials. In the past six weeks they have been advanced only ⅜c. per gallon, while gasoline, for example, has been hiked ⅝c. to ¾c. per gallon.

CLEANERS' NAPHTHA.—Demand fairly active. Prices stronger.

STODDARD SOLVENT.—Good call. Prices strong.

RUBBER SOLVENTS.—Larger demand. Prices stronger.

V.M.&P. NAPHTHA.—Demand more active. Prices stronger.

LACQUER DILUENT.—Broader demand. Prices stronger.

MINERAL SPIRITS.—More interest. Prices strong.

Lighter Fractions

Butane.—Demand continued good, with offerings restricted due to scarcity of stocks. Prices were showing strength.

Heptane.—Movement was better than normal. Shipments were large and steady. The price was stronger.

Hexane.—Consumers continued to show active interest in offerings. Shipments were large. Price was very firm.

Octanes.—Better than normal call. Price firmer.

Pentanes.—In heavy demand. Tone strong.

Propane.—Consumption was large. Prices strong.

Markets at Other Centers

Chicago—May 2

Demand was good for various products, especially butane, heptane and propane. Inquiry is tending to become more active.

BUTANE.—Orders brisk, prices strong.

HEPTANE.—Good demand, market firm.

HEXANE.—More interest, quotations steady.

OCTANES.—Fair demand, unchanged price.

PENTANES.—Movement moderate, no price change.

PROPANE.—Good call, market strong.

Tulsa—May 2

Strong demand for all grades of light fractions is causing manufacturers to consider higher prices as a possibility for the early future.

BUTANE.—Strong call. Quotations strong.

PROPANE.—Inquiries for large volume. Prices firm.

PENTANE.—Buyers seeking more material. Quotations strong.

Petrolatums and Waxes

Paraffin.—Virtually nominal at 3.35c. per pound for crude. Very scarce.

Petrolatums. — Advanced ¼c. per pound. New quotations were:—Amber, 3¼c. for car lots, 4¼c. for less car lots; extra amber, 3½c. for car lots and 4½c. for smaller amounts; cream white, 4½c. for car lots and 6c. for lesser amounts; lily white, 5¼c. for car lots and 6¾c. for less car lots; snow white, 6c. for car lots and 8c. for less car lots.

White Mineral Oils.—Routine and unchanged.

Markets at Other Centers

Chicago—May 2

Paraffin was the scene of the principal strength. Crude scale material was in good call, with some material available. Petrolatums are quiet and steady. White mineral oils remain quiet.

PARAFFIN.—Good demand, market strong.

PETROLATUMS.—Quiet business, steady prices.

WHITE MINERAL OILS.—Slow demand, unchanged market.

Tulsa—May 2

Considerable pick-up in demand for waxes has come into the market this week and prices have been raised ½c. per gallon.

PARAFFIN.—More activity, quotations up ½c. with the 124-26 3½c. to 3¼c. per pound.

PETROLATUMS.—Market quiet. Prices unchanged.

Fuels and Lubricants

Gasoline.—Heavy demand. Orders restricted. Prices strong.

Kerosene.—Strong call. Price firm.

Lubricating Oils. — Pennsylvania grades strong. Demand good.

Crude Oil Price Changes

Kentucky crude was advanced 5c. per barrel to $1.22 for Big Sandy River production and to $1.30 for Kentucky River. A 5c. per barrel advance was made for crude from Eastern Illinois, Western Indiana and Illinois Basin.

Markets at Other Centers

Chicago—May 2

Gasoline trade was heavy. Kerosene showed improvement. Lubricating oils firm to strong.

GASOLINE.—Demand excellent, prices strong.

KEROSENE.—Good call, prices higher.

Price Changes

Advanced

Gasoline, at refinery, Group 3, ⅛c. per gal.
Midwest, ⅛c. per gal.
natural, Group 3, ⅛c. to ¼c. per gal.
Kerosene, at refinery, Group 3, ⅛c. per gal.
Midwest, ⅛c. per gal.
Oil, lubricating, Pa., bright stocks, 25 pour, 1c. per gal.
neutrals, 25 pour, 1c. per gal.
Paraffin, crude scale, 10 points per pound.
Petrolatums, basis N.Y., ¼c. per lb.
Petroleum, crude, bulk, at well, Kentucky, E. Ill., Ill. Basin, W. Ind., 5c. per bbl.

Reduced

None

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

Highest quality
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CRESYLIC ACID
VISCOUS OILS
(extremely viscous polymerized hydrocarbons)
CALODORANT
GAS ODORANT
STANDARD OIL COMPANY OF CALIFORNIA
225 BUSH STREET, SAN FRANCISCO, CALIFORNIA
CALIFORNIA COMMERCIAL COMPANY, INC.
30 ROCKEFELLER PLAZA, NEW YORK, N. Y.

MASKING PERFUMES for BAD SMELLING PRODUCTS
• DEPENDABLE
• EFFECTIVE
• ECONOMICAL
JAVOLLAL — A substitute for citronella; imparts cleaner, finer odor.
METHALATE "C" — Replaces methyl salicylate in technical processes at low cost.
SAFRELLA — A low priced, effective substitute for artificial sassafras.
NEUTROLEUM — Completely neutralizes the odor of all preparations based on petroleum distillates.
•
Above deodorising agents may be used in sprays, insecticides, germicides and other technical mixtures. Write for samples.
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Sherwood Quality assures Quality Products
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X In these days of exiguous supply of heretofore necessary materials, there is a bigger-than-ever need in all kinds of enterprises for special, expert advice and assistance for the finding of materials which will carry a process or a formula from the heretofore to the now. Perhaps the finding of another process or formula is called for. That sort of thing—finding this-day materials, processes, or formulas—is what the scientific and professional services adjacently offered are to be consulted for.

FURNACE OILS. — Demand steady, prices holding.

LUBRICATING OILS. — Orders good, prices strong.

New Orleans—May 2

A moderately active tone prevailed in the gasoline and kerosene market during the past week. All prices held firm and unchanged.

GASOLINE. — Market normal; price stable.

KEROSENE.—Demand routine; no price change.

Tulsa—May 2

Another ⅛c. per gallon was added to gasoline and kerosene quotations this week. Natural gasolines were advanced ¼c. per gallon.

GASOLINE.—U.S. Motor, 5c. to 5⅜c. per gallon, a ⅛c. rise.

KEROSENE.—Broad demand. The 41-43 up ⅛c. to from 4⅛c. to 4½c. per gallon.

LUBRICANTS.—Strong demand. Prices strong.

NATURAL GASOLINE.—Prices up ⅛c. to ¼c. per gallon, with 26-70 at 3⅛c. to 3¼c. per gallon, and 18-55 at 3¾c. to 3⅞c. in Oklahoma.

W. R. Davis has been named president of the Panhandle Producing & Refining Company, succeeding Roy B. Jones, who has been made chairman of the directorate.

F.H.A. Two-Coat Paint Labels Deadline June 1

Effective June 1, 1941, all two-coat paint systems, to be acceptable on F.H.A. insured properties, must comply with the requirements contained in F.H.A. technical circular No. 6. This has to do with certain information which must appear on the label of prime coat paint and on the label of the finish coat paint, as well as with the formula analysis of the paint, all of which is to appear on each package. The analysis must be in accordance with the requirements of the scientific section circular entitled "Nomenclature for Formula Labeling," issued by the National Paint, Varnish and Lacquer Association. A copy of circular No. 6 of the circular on "Nomenclature for Formula Labeling" may be obtained at the offices of the association.

A.F. Voss Named President Of St. Louis Paint Club

A. F. Voss, president of the American Paint Journal Company, St. Louis, has been named president of the St. Louis Paint, Varnish and Lacquer Association. He succeeds R. J. Ferree, of the National Lead Company, who was named vice-president. W. T. Thumser, of Imperial Paper & Color Corporation, was reelected secretary and John Niehaus, of John Niehaus & Company, was renamed treasurer.

Paint Dealers Endorse Greater N.Y. Fund

The retail paint dealers of Manhattan and the Bronx will participate in the Greater New York Fund's annual campaign as a unit. This was decided at a recent dinner given in honor of the association's new executive secretary, Daniel Leon. The members of the association voted to begin an immediate solicitation of their organization. The fund campaign began April 14. The fund's 400 associated welfare and health agencies help over 2,000,000 needy New Yorkers annually.

Abietic Acid Esters New Uses Reported

Improved fluidity, flexibility, and impact resistance of asphalt, and increased speed of penetration into felt, paper, asbestos and cellulose materials can be obtained through the use of liquid esters of abietic acid, according to tests completed by Hercules Powder Company, Wilmington. Marked changes in the properties of asphalts were obtained with these materials which are powerful, non-volatile asphalt solvents without great change in the melting point of the asphalts, the company reported.

Drummond Naval Stores Head of Savannah Exchange

George W. Drummond was elected chairman of the naval stores section of the Savannah Cotton & Naval Stores Exchange at the annual election held recently in Savannah. John A. Myers was elected vice-chairman. Mr. Drummond is secretary and treasurer of the Consolidated Naval Stores Company, in charge of the Savannah office. Mr. Myers is vice-president of the Columbia Naval Stores Company, Savannah.

Pheonix Metal Cap Company, manufacturer of metal closures, with plants in Chicago and Brooklyn, N. Y., has issued the March edition of its house organ, "Pheonix Flame."

Chemical Publishing Company, publisher of technical and scientific books in all fields, have moved its shipping and filling offices into larger quarters at 234 King street, Brooklyn, N. Y.

Fertilizer Materials

Movement of Fertilizers and Ingredients Slackening in East —Demand in Midwest Still Heavy—Imported Steamed Bone Advanced—Menhaden Meal Higher—Hoofmeal Reduced

The movement of finished goods and fertilizer ingredients was slackening last week in the East and the South. Extremely favorable weather conditions in the past month prompted active planting operations and most farms were past the fertilizer ordering stage. Reports from the Midwest indicated that planting progress was not as rapid there and that interest in fertilizers still was very well maintained.

High freight rates gave strength to prices on imported bone materials but the only advance last week was for the steamed 3 and 50 percent meal. Offerings of menhaden meal were higher at Baltimore and sellers of dried menhaden futures were reported unwilling to do business at present levels. Hoofmeal was reduced at Chicago. Blood and tankage were attracting less buying interest in the East, but were in active call in the Midwest. Chemicals were moving less actively. Scarcity was reported in certain materials, notably potash salts, cyanamid, ammonia phosphate and urea products.

Nitrogenates

Ammonia Phosphate. — Very scarce. Demand fair. Price unchanged.

Anhydrous Ammonia.—Routine call. Offerings small. Price firm.

Calcium Nitrate. — No offerings. Price withdrawn.

Castor Pomace.—Movement narrow. Prices steady.

Cyanamid. — Offerings curtailed. Price nominal.

Dried Blood.—Less buying interest. Shipments lighter. Prices firm and unchanged.

Fish Scrap.—No dried futures sales reported, with suppliers apparently unwilling to dispose of production at present level. Advance possible. Asking price on spot menhaden meal reported at $61.50 to $62 per ton, f.o.b. Baltimore, a rise of $1.50.

Manganese Sulphate. — Demand lighter. Price steady.

Nitrate of Soda.—Market less active. No price change.

Nitrogen Solution. — Routine call. Offerings restricted. Price firm.

Nitrogenous Material. — Firm and unchanged. Demand lighter.

Sulphate of Ammonia.—Fair call. Price steady.

Tankage.—Feed grade reduced 25c. per unit at Chicago to $3.50 and 10c.

Potashes

Various types of potash salts were reported harder to obtain last week. Labor troubles at the plant of one large producer has held up shipments and available supply. Demand was only fair, with most consumers already well stocked. Prices were firm and unrevised.

Phosphates

Bone Materials. — Imported bone prices were turning strong because of high freight rates. Sole change reported, however, was for steamed 3 and 50 percent material, which was advanced $1 per ton to $35. Domestic grades were moving satisfactorily at unchanged figures.

Phosphate Rock.—Demand less insistent. Inquiries off. Prices steady and unrevised.

Superphosphate. — Movement routine. Prices unchanged.

Sulphur and Pyrites

The movement of crude sulphur continued to slacken during the week. Most consumers were already well supplied and sole interest was in replacement material. There was no change in the price.

Markets at Other Centers

Atlanta—May 2

April closed with producers of fertilizers buying some spot goods during the week. The season, however, is regarded virtually over in the South. Attention of dealers is turning to top dressing materials which will be applied in a month to six weeks.

Price Changes

Advanced

Bone, meal, steamed, imp., 3% and 50%, $1 per ton.
Fish, scrap, menhaden meal, $1.50 per ton, f.o.b. Balto.

Reduced

Hoofmeal, 17-18%, bulk, 5c. per unit, f.o.b. Chi.
Tankage, feed, high-grade, 25c. per unit, f.o.b. Chi.

Comparative Values

Index numbers compiled from four typical fertilizer materials, the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
68.0	68.0	68.0	67.0

Market news that may have developed after this report was sent to press will be found on page 4.

SUPERPHOSPHATE. — Prices unchanged.

NITRATE OF SODA.—Bulk, ports, $27 per ton.

SULPHATE OF AMMONIA. — Available at $1 above list price.

COTTONSEED MEAL.—$26 per ton, Southeastern mills.

FISH.—Acid scrap $3 and 50c. per unit, coast producing points. Dried scrap, $54 per ton, ports.

NITROGENOUS MATERIAL.—$1.90 per unit, Midwestern producing points.

BLOOD.—South American, $3.10 per unit, ports; Chicago, $3.50.

Baltimore—May 2

Farm work was proceeding actively under exceptionally favorable climatic conditions. Movement of fertilizer mixtures has slackened somewhat.

FISH SCRAP.—Florida producers are asking $55 per ton, which, if realized, would be better than $4.25 per unit-ton in Baltimore. But buyers are not inclined to pay this price, and no trading is being reported. Fishing companies are represented as reluctant to dispose of large quantities of dried menhaden at present prices, and are looking for as high as $4.50 and 10c. per unit-ton. For spot menhaden meal $61.50 to $62 per ton is being asked, with buyers displaying no interest.

SUPERPHOSPHATE.—Nominal figures remain at $8 per ton for run-of-pile and $8.50 for 16 percent stocks. Offers are becoming scarcer, and the belief prevails that an advance cannot be much longer delayed in the face of rising production costs.

TANKAGE.—The market for this ammoniate is quiet, with offers at $3.50 and 10c. per unit-ton, f.o.b. Chicago.

DRIED BLOOD.—Trading is more or less at a standstill for the present, with offers being made at $3.50. Latest trading in South American supplies was at $3.10 per unit-ton for spot.

BONE.—Little activity, with quotations about the same.

Chicago—May 2

Better demand and more active interest are reported for virtually all grades of fertilizer materials. Organics have moved quite well at their currently strong market positions and prices now prevailing are the best in a considerable period. Inquiries remain brisk. Blood is in rather good call. Fertilizer tankage is steady to strong. Bone materials are somewhat irregular.

BLOOD.—Principal grade, $3.50 per unit.

TANKAGE.—High grade, feeding, $3.50; hoof-meal, $2.70 to $2.80; liquid stick, $1.75 to $1.80.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $40; 3 and 50 percent, $35; 4½ and 50 percent, $34; grinding hoofs, pigs' toes and waste horn materials, $35 to $40; cattle jaws, skulls and knuckles, $32.50 to $37.50; beef cracklings, soft pressed, $40 to $42.50; pork cracklings, soft pressed, $42.50 to $45; hard pressed cracklings, per unit of protein, 75c. to 80c.

San Francisco—May 2

Trading in new season San Francisco Bay fish meal attracted more attention in the local fertilizer materials market here last week than did anything else, although the situation generally was not at all inactive. Replacement materials were being ordered by mixers as the season for application of mixed and straight goods continued. New season, 67 percent fish meal sold at $65 per ton, against a spot quotation of $72.50.

SULPHATE OF AMMONIA.—Bids possible of acceptance at $44 per ton, ex-ship, and $45 delivered inland points, shipment from Canada.

SUPERPHOSPHATE.—80c. per unit in bulk, f.o.b. San Francisco. Bags, 91c.

NITRATE OF SODA.—100-pound bags, $29.40 per ton, ex-vessel or warehouse. 167-pound bags, $28.70. Bulk, $27.

FISH MEAL.—San Francisco meal, 67 percent protein, $72.50 per ton, f.o.b. cars, for spot and nearby delivery. Futures reported sold at $65. Monterey and/or San Pedro meal, 65 percent protein, $70 per ton for spot. Futures at $62.50.

TANKAGE.—Dry-rendered, ground, 50 percent, $50 per ton, f.o.b. cars; 55 percent, $52.50. Unground, dry-rendered, 72½c. per unit of protein, f.o.b. cars, South San Francisco.

BLOOD MEAL.—$3 per unit, f.o.b. cars, Los Angeles.

Texas Sulphur Tax Increase Approved

Austin, Tex., Apr. 30, 1941

The house yesterday passed the senate omnibus tax bill which would increase the tax on sulphur from the present $1.03 per ton to $1.27. Governor W. Lee O'Daniel has already voiced his approval of the bill and it will go into effect as soon as he signs it. The increase will increase the annual revenue from sulphur by $536,506. The same bill also provides for a tax increase in oil production and on the price for cosmetics and carbon black.

Trade Briefs

J. B. Snell, president of the Minden Cotton Oil & Ice Company, Minden, La., is recovering from severe burns received during a recent fire at the fertilizer plant of the company.

Dr. Henry R. Kraybill, for many years head of the Agricultural chemistry department at Purdue University, and state chemist of Indiana, has been named director of research for the American Meat Institute.

National Fertilizer Association's new publication, "Hunger Signs in Crops," went to press last week. Copies may be secured at $2 each from the association at 616 Investment Building, Washington, D. C.

Antitrust Law Immunity Offered Industry

—Continued from page 3

formation and making recommendations to the Office of Production Management or the Office of Price Administration and Civilian Supply, and shall not undertake to determine policies for the industry, nor shall it attempt to compel or coerce anyone to comply with any request or order made by a public authority.

All requests for action on the part of any unit of an industry shall be made to such unit by the Office of Production Management or the Office of Price Administration and Civilian Supply and not by the industry committee. That is to say, the function of determining what steps should be taken in the public interest should in each case be exercised by the public authority which may seek the individual or collective advice of the industry. But the determination shall not be made by the industry itself or by its representatives.

Requests for action within a given field, such as the field of allocation of orders, shall be made only after the general character of the action has been cleared with the Department of Justice. If the general plan is approved, thereafter each request for specific action in carrying out such plan shall be made in writing and shall be approved by the office of the general counsel of the Office of Production Management or the office of the general counsel of the Office of Price Administration and Civilian Supply, but need not be submitted to the Department of Justice. In the case of any change in the personnel of such offices or if serious practical difficulties arise, this latter arrangement may be revoked upon notice from me.

Immunity Offered

Acts done in compliance with the specific requests made by the Office of Production Management or the Office of Price Administration and Civilian Supply and approved by their general counsel in accordance with the procedure described in this letter will not be reviewed by the Department of Justice as constituting a violation of the antitrust laws and no prosecutions will be instituted for acts performed in good faith and within the fair intendment of instructions given by the Office of Production Management or the Office of Price Administration and Civilian Supply pursuant to this procedure.

Mr. Jackson warned, however, that, in the case of all plans or procedure, he reserved the right of complete freedom of action to institute civil actions to enjoin the continuing of acts or practices found not to be in the public interest and persisted in after notice to desist.

Horsfield Made Director Of Reynolds Metals Co.

Basil T. Horsfield has been elected to the board of directors of the Reynolds Metals Company. Mr. Horsfield, manager of the aluminum production division of the company, formerly was chief chemist for the Tennessee Chemical Company, Nashville, Tenn., and also manager of the electro-thermal division of research of the Aluminum Company of America.

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Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

Effective Association Functioning Essential

—*Continued from page 5*

interest to such a degree that the antitrust division is warranted in recommending dismissal of the criminal proceedings.

The antitrust division can indicate the general policies which guide it in the acceptance of consent decrees, but the defendants in criminal proceedings must present the plan that is to form the basis for any settlement. It may reject proffered decrees because it does not believe that they eliminate objectionable practices or because it does not deem them to be in the public interest. The defendants then may submit new proposals. At no time, however, when a criminal proceeding is pending, will the antitrust division urge any particular provisions for a consent decree. All proposed provisions for consideration must originate with and be presented by the defendants.

In every instance when criminal proceedings are pending, it is the stated policy of the antitrust division always to reject plans for consent decrees which merely eliminate unlawful conduct. It is not enough when parties have been indicted that they shall promise not to break the law again. Officers charged with the enforcement of criminal laws cannot dismiss proceedings upon the simple agreement of the parties that they will observe the rules outlined by the antitrust statutes. The only consent decrees which the antitrust division will be willing to consider during the pendency of a criminal case, will be those containing provisions for affirmative public benefits which could not be secured by the successful completion of the criminal proceedings alone.

Characteristics of Decrees

A decree in equity is an order of the court which is pronounced after hearing on an understanding of all the points in issue, and after a determination of the rights of all the parties to the suit, according to equity and good conscience. A consent decree is a final order of the court, as distinguished from an interlocutory one, in that it fully and finally disposes of the whole subject of the litigation, determining all questions raised by the case and leaving nothing that requires further judicial action.

Consent decrees are entered by consent of all the parties. They are not properly a judicial disposition of the matters involved, but rather are in the nature of solemn agreements of the parties, made under the sanction of the court, and in effect are admissions by them that the consent decrees are just determinations of their rights upon the real facts in each case, if such facts had been proved.

It is true that, in the case of interlocutory decrees made during the progress of a cause, they remain within the jurisdiction of the court during the term at which they are entered; they may be altered in any respect during that term; and they may be rescinded or modified at any time after that term of court and before final hearing by a proper case being made out by any one of the parties. The situation with regard to consent decrees is entirely different, however, and the difference should be clearly understood by trade associations before they become parties to consent decrees, because they constitute final orders of the court as distinguished from interlocutory ones.

A consent decree is the edict of the parties, put on file with the approval and sanction of the court. In such orders the parties act for themselves and may provide for what seems best to them with respect to the subject matter of the litigation. After securing the sanction of the court, the parties may alter or amend the provisions of a consent decree from time to time only if such action has the consent of all the participants.

When a consent decree has been entered, therefore, no party can strike from it any material part or clause, or have the aid of the court to do so, without the consent of all the remaining parties. The reason for this rule of construction as regards consent decree is not only interesting and important but also very logical. If such action were permitted, some of the parties by order of the court, might be held bound to observe the provisions of a consent decree having a material clause stricken out or modified. If a consent decree were enforced in such circumstances, some of the parties might be compelled to fulfill some obligations which they never would have assented to if they had been included in the unaltered form of the original consent decree.

A consent decree as such must stand and operate as an entirety or be vacated altogether, unless all the parties by agreement and mutual consent agree upon and incorporate into it all alterations or modifications. If a consent decree should have a clause stricken out or modified against the will of any of the parties, the altered form would not constitute a consent decree and it could not be enforced as such by the court.

A consent decree is considered as a consent judgment and is construed and dealt with as if the parties had entered into an unwritten contract, duly signed and delivered, embodying therein the terms of the judgment. It stands as the agreement of the parties, made as a matter of record at their request, and accomplished with the permission and approval of the court.

Effect of Fraud or Error

There is an important exception to the rule that a consent decree entered by a court cannot be set aside or modified unless by consent of all the parties. Consent decrees may be set aside where fraud or mistake of the parties has accompanied the entering of the order.

The consent decree is brought into existence by the consent of the parties to it, rather than by the consent of the court, and therefore it can be modified or changed only by the same concurring agencies that first gave it form. Whatever has been done legitimately and in good faith in carrying out the provisions of a consent decree must remain undisturbed.

In a court of equity, it has always been the rule that parties by themselves or through counsel may agree upon the provisions to be included in a consent decree, which, when entered by a court of competent jurisdiction, is irreversible and cannot be appealed. But obviously it does not follow from the binding force of the consent decree that it can always be pleaded as *res adjudicata*. That depends upon circumstances other than its mere binding effect as a decree in the court where it is entered.

Binding Effect of Decrees

Parties who have obtained a consent decree have used an agreed statement of facts as a convenient mode of placing the court in possession of those facts, without producing the evidence on which they would otherwise be ascertained. Following such a course of procedure, the parties have left to the court the decision as to their rights growing out of those facts, and have not by consent of the parties determined by themselves and for themselves what those rights are. A proceeding upon which nothing has been determined cannot support a plea of *res adjudicata* or have any weight as evidence at another trial if it appears by the record that the matter was not litigated and decided.

There is a distinction between where the parties consent to submit a case to the court for its decision and where the parties consent only as to what the decision shall be, as in respect of consent decrees. The distinction lies between that estoppel which the parties put upon themselves by their agreement which may be pleaded and will bind them as an estoppel by reason of the conduct or admission of the parties, and that estoppel which arises out of the adjudication of a disputed matter constituting an estoppel of record.

In both instances mentioned, the record could be used as evidence. In the former situation, it would not be conclusive; it might be averred against; and it could be overcome by countervailing proof of sufficient force. In the latter case, it would be conclusive in its effect to support a plea of *res adjudicata*.

The authorities generally support the principle that, in England, a consent decree cannot be pleaded as *res adjudicata* and is effective when pleaded only so far as the estoppel arises out of the agreement itself. Some writers are of the opinion that the American doctrine generally is against the English rule. An examination of many cases cited in support of the distinction between decisions of the English and the American courts will reveal that there is not much divergence between those courts on the subject. The same distinctions appear to have been made by both the English and the American courts between cases decided by the court upon an admitted statement of facts and cases decided by the parties themselves solely by their own consent which the courts admit as of record by registering the agreement, resulting on the one hand in estoppel due to the agreement and on the other hand in an estoppel due to the judgment.

Rights of Corporations

Individuals who are *sui juris* may agree to almost anything and bind themselves, but corporations must act within their delegated powers. It is undoubtedly within their power to compromise litigation. They may, when sued, enter into consent decrees and if the subject matter of the consent decrees be within their authority, such consent will bind them as it will individuals.

While consent decrees may be binding in many respects they are not to be considered pleadable as *res adjudicata* for that reason. Whether they are binding in other respects depends on the circumstances of each case, but whether they are binding on a plea of *res adjudicata* depends on whether the consent decree conforms to the rules of law which give it that effect.

A consent decree is the mere agreement of the parties, under the sanction and approval of the court, and is to be interpreted as an agreement. In order to be pleadable as *res adjudicata*, the consent decree must be decided on its merits in a court. Where the merits of a case have never been discussed in a court and no opinion of the court has ever been expressed on them, such a case does not come within the rule, and consent decrees entered in such circumstances cannot be pleaded as *res adjudicata*.

Ordinarily, therefore, the rule is that a consent decree cannot be pleaded as *res adjudicata* because it does not appear that the merits of the matters in dispute were ever considered and passed upon by the court. Consequently the test is whether in a court of equity the consent decree was indeed an adjudication against an unwilling or adverse party or only an agreement of the parties to act voluntarily.

It is a fact that there is much authority for holding that a record is to be taken for all that it implies when it is pleaded as *res adjudicata*, and that the trial of that plea will require an inquiry into the subject of the litigiousness of the parties, and that the quality and quantity of consideration given to the matter by the court rendering the decree must be considered, and that whether the court's action was based upon a formal or informal presentation of the facts and law must be indicated.

Nevertheless, the weight of authority is that, to be pleadable as *res adjudicata*, the technical character of a consent decree must be such that, necessarily, there was an adjudication of the merits of the case by the court, invoked or sustained by the consent of the parties, as the case may be, but none the less an adjudication and not simply a judicial registration of an agreement of the parties.

The contention that consent decrees entered into between the antitrust division and parties charged with violation of the antitrust laws cannot be pleaded as *res adjudicata* is supported by the language used in such orders. Consent decrees of this nature in general recite that, the government having filed its complaint in the district court against the parties charged with violating the antitrust laws, each of the defendants appeared and filed their answers to such complaint, and asserted the truth of their answers and their innocence of any violations of law. Each defendant agrees and consents to the making and entry of the consent decree without the taking of any testimony and without the making of any findings of fact, upon condition that neither the consent nor the decree will be considered as evidence, admission, or adjudication that the defendants have violated any law of the United States. Each defendant agrees and consents to the making and entry of the consent decree on the further condition that it shall not be admitted in evidence or be regarded as probative in its effect in any civil action or proceeding of a private nature brought under the antitrust laws of the United States. The government by its counsel consents to the entry of the consent decree and to each and every provision thereof, and moves the court to accept it and order the injunction.

The importance to trade associations of the fact that consent decrees entered into with the antitrust division for alleged violations of the antitrust laws are not *res adjudicata* is that the questions in controversy which constitute the subject matter of these orders are not authoritatively and finally settled by the entering of these decrees. They are not matters adjudged or judicially acted upon or decided by the courts, and although binding between the parties, they cannot be altered or modified except by the consent of all the defendants and the government.

(*To be continued*)

Trade Briefs

Printing inks imports into Guatemala increased from 10,997 kilograms in 1939 to 13,772 kilograms in 1940.

C. C. Auchincloss has been elected to the directorate of the American Can Company, this city.

BIMS will hold its initial golf tournament of the 1941 season at the Forest Hill Field Club, Bloomfield, N. J., May 15.

Textile chemists and colorists of the South-Central A.A.T.C.C. section will meet May 17 in the Farragut hotel, Knoxville, Tenn.

Chemists' Club golf tournament for the benefit of the library will be held at the Bonnie Briar Country Club, Larchmont, N. Y., May 27.

American Maize-Products Company, this city, has appointed Bruce K. MacLaury salesmanager for the package division. He has been with the company since 1935.

St. Louis Paint and Varnish Production Club will be addressed April 29 by H. M. Johnson, of the Nuodex Products Company, Elizabeth, N. J., on "Driers for Soft Oils."

Paint test fences, recently erected by the National Paint, Varnish and Lacquer Association at Lanham, Md., are discussed in circular No. 615 just issued by its scientific section.

Will-George Ceramics, Inc., has been organized in Los Angeles, with a capital of $25,000. Directors are:—James E. Bednar, Howard Burrell and Clayton Straub, all of Los Angeles.

National Dyeing & Finishing Corporation has been organized in Los Angeles, with a capital of $25,000. Directors are:—A. V. Beenan, N. E. Halaby and James C. Greene, all of Los Angeles.

Standard Wholesale Phosphate and Acid Works, Baltimore, has applied for a permit to erect a building 360 by 131 feet for mixing and dry storage of acid phosphate on a plot adjacent to its plant at 5701 Pennington avenue, Curtis Bay.

Karl M. Herstein, president of Herstein Laboratories, Inc., this city, addressed the Student Affiliate Chapter of the American Chemical Society, at the Newark College of Engineering, April 25, on "The Work of the Consulting Chemist."

"Dulux" make-ready undercoat, designed to improve adhesion when synthetic resin enamels are applied over old automotive finishes, is announced by the E. I. du Pont de Nemours & Co., Wilmington. It is claimed to reduce the time required for refinishing.

Paper Technical Materials And Processes Discussed

Summaries of discussions at the recent annual meeting of the Technical Association of the Pulp and Paper Industry, appearing in recent issues of OPD, are continued below.

Deinking Waste Paper

"Some Fundamental Factors in Deinking Waste Papers" was discussed by A. O. Bragg, of the Diamond Alkali Company, in which he said that non-saponifiable inks can be disintegrated by alkali with an adsorbent such as bentonite. Oxidation-reduction potential measurements reflect efficiency of ink disintegration in the deinking process. Deinking involves lowering the oxidation potential of inks by alkali acting oppositely as a reducing agent, he held. With common, alkali-saponifiable inks, alkalies are adequate.. New inks as "vaporin" and "cold-set" require stronger reduction potentials obtainable by superimposing action of nickel catalyst on that of alkali. All factors contributory to lowered oxidation potential during deinking, as expelling dissolved air by high temperatures, inducing vacuum in the batch, and addition of chemicals which absorb oxygen or furnish inert gas diluting it, as Na_2CO_3, are valuable, he pointed out.

With high temperatures and air, NaOH oxidizes cellulose to oxycellulose interfering with washing, lowering color and freeness, and reducing yield and strength, he explained. Water dissolves hardening materials from papers, hardness increasing with temperature. With fresh water, addition of NaOH either softens instantly, or hardness increases to maximum, then drops to minimum: but higher water softness, pulp colors, and better washing, are secured with mixture of NaOH and Na_2CO_3. With white water, softness increases with NaOH + Na_2CO_3; but deinking efficiency drops from lowered alkalinity. Straight NaOH is preferable with white water, he said.

The larger portion of total deinking time required is consumed in disintegrating resistant inks. Low density deinking with NaOH tends to hydrate pulp through violent mechanical agitation. Through alkaline hydrolysis of casein and protein compounds, carbon dioxide forms when deinking coated papers. This reduced the pH and effective alkalinity. Carbon dioxide formation can be minimized by increasing the straight NaOH usage, or by using Na_2CO_3 with NaOH to increase CO_3--/HCO_3- ratio, he concluded.

Chlorine in Water

"Solubility of Chlorine in Water" was discussed by Roy P. Whitney and J. Edward Vivian, of the Massachusetts Institute of Technology, in which it was shown that the solubility of chlorine in water has been determined experimentally over the ranges of temperature and liquid concentration commonly encountered in the preparation of chlorine water bleaching solutions. The procedure consisted essentially of the bubbling of a gas mixture of chlorine and nitrogen of constant composition through chlorine water contained in a glass cell, until equilibrium between the two phases has been reached. Then, by analysis of the liquor and of the exhaust gas, the solubility of chlorine under those particular conditions of temperature and chlorine pressure was determined. The greatest deviation is shown to be 1.1%. The calculated solubility data of Adams and Edmonds are in good agreement with the results of this investigation, particularly at chlorine pressures above 0.1 atmospheres.

Whitney and Vivian reported adsorption coefficients for chlorine in water, calculated from experimental operating data and the solubility relationships of Adams and Edmonds. These have been recalculated using the new solubilities, and the effect is to raise the coefficients somewhat. However, at liquor rates of from 5,000 to 10,000 lb. per hr. per sq. ft., the range recommended for industrial practice, the correction is only about 10%. Since this is within the precision claimed for the adsorption data, the coefficients may be used without alteration.

Softening Paper

"The Mechanism of Softening Paper" was treated by C. M. Connor and A. H. Nadelmann, of the Glassine Paper Company, softeners for paper need active—OH groups, they said. Since it is known that increasing molecular weight of monovalent aliphatic alcohols decreases their fiber swelling efficiency, the active—OH group of softeners should not be attached to long hydrocarbon chains. Softeners for paper are mostly polyhydroxy compounds, the number of their carbon atoms ranging from 2 in the case of ethyleneglycol to six in sugars. Polyhydroxy compounds of higher chain length may have possibilities within reasonable limits. Starches do not exhibit any softening effect, but rather tend to impart stiffness.

The softening action of triethanolamine was investigated which substance possesses a certain structural similarity to glycerin. This substance showed excellent softening efficiency for glassine and greaseproof papers. Unfortunately, its alkalinity, its tendency to absorb carbon dioxide, and its poor light resistance preclude its present commercial use in the glassine and greaseproof field, they held.

Paper Coloring

Frederic A. Soderberg, of the General Dyestuff Corporation, read a paper on "Continuously Coloring of Paper and Paperboard." It was shown that basic dyestuffs are best suited for continuous coloring. Most of them are charged positively, which makes their attraction to the cellulose a foregone conclusion. Tests show that a number of basic types are absorbed quickly, thus preventing any great losses in an open system and minimizing the build-up in a closed system.

Acid dyestuffs with few exceptions have little direct affinity for fibers and therefore are not generally suitable for continuous coloring. They may be added to a continuous beater or chest if time and mixing facilities permit. Alum must be applied to the stock after the color, the report said.

Pigments may be classed for convenience into two classes, dispersed and undispersed. The latter must be "ground" into the fiber to obtain proper distribution. The dispersed types are much less sensitive to the action of the beater or jordan. To bind any type of pigment to the fiber it is necessary to use size and precipitating agent. The color should be allowed to disperse thoroughly in the furnish before the precipitating agent is applied.

Basic and acid or basic and direct dyestuffs should never be dissolved in the same container because a precipitate in the form of an insoluble lake will result which may result in the complete loss of color value, the speaker explained.

Paper is graded for color at the reel after the sheet has had sufficient time to oxidize. Any device set up at the wet end of the paper machine and operated from that position will permit less color variation than equipment in the beater room. It is desirable to have a remote control method to permit the regulation of the dyestuff from the reel end of the machine, he held.

Wood Pulp in Plastics

In a study of the relation between the color of urea formaldehyde plastics and the wood pulp used as a filler, George W. Ingle and Harry F. Lewis, of the Institute of Paper Chemistry, found that the yellowness of the white plastics containing such a filler was related inversely to the alpha-cellulose content of the pulp and directly with the content of hemicellulose and the degradation products of celluloses and the hemicelluloses. The wood resins and the tannins of the pulp filler were significant only when the alphacellulose content was 90 percent or more.

No significant relation was found between the color or brightness of the plastic and that of the dry pulp fillers; the commercial test of relating the wet pulp color to the color of the molded plastic was found to be valid. Any method of increasing the alpha-content of a pulp will improve its suitability for use in white urea formaldehyde plastics; therefore, either of the two general methods for commercially producing alpha pulps may be used.

The following analytical constants represent the qualifications for a suitable pulp: a minimum alpha-cellulose content of 87.5 percent, a maximum pentosan content of 4 percent, a maximum 1 percent sodium hydroxide solubility of 4 percent, and a maximum wood-resin content of 0.2 percent.

One of the more perplexing problems in the production of crystal and tinted translucent and transparent plastics is the cause, measurement, and control of yellowness in the base material. While this is true of practically all the higher grade plastic materials, such as cellulose nitrate, cellulose acetate, polystyrene, vinyl acetals, and even the lighter-colored cast phenolics, it is particularly true for urea formaldehyde plastics employing cellulose fillers, the authors said.

Starch Colloidalities

"The Colloidal Differentiation of Starches" was reported on by Harold H. Houtz, of the Crown Zellerbach Corporation. He explained that the degree of colloidal dispersion of starches was followed throughout the cooking process by means of the soap-starch viscosity. The various species showed wide differences in the cooking conditions under which maximum colloidality is attained. Starch which had been cooked so that it was at its maximum colloidality, as indicated by the soap-starch viscosity, was found to be in its optimum condition for use in paper since the strength characteristics of the sheets were at their maxima at that point. A good correlation was found between the strength imparted to a sheet by any starch in a condition of maximum colloidality and the height of the peak in its consistency-temperature curve.

The routine molecular weights of the different species of starch were determined by means of the viscosity of solutions of the native starch in 50 percent zinc chloride solution. A definite correlation was found between the molecular weight of the starch, the height of the peak in the consistency-temperature curve, and the increase in strength imparted to a sheet when the starch is utilized in a condition of maximum colloidality. The strength of a starch film and, hence, the bonding strength of the starch, seem, therefore, to be dependent on the size of the molecule, and the ultimate benefit to be derived from the use of any starch in paper is commensurate with its molecular weight, he said.

Painting Magnesium Alloys

The increasing use of magnesium alloys in numerous industrial fields, especially in the aircraft industry, has focused attention on this ultralight material, says Robert I. Wray, of the Aluminum Company of America, addressing the paint and varnish group of the American Chemical Society. For most of these applications there is need for serviceable protective coatings. In order to evaluate different protective coatings, the use of a special accelerated test was resorted to, which comprised cycles of alternate immersion in synthetic seawater combined with outdoor weathering at an angle of 45° to the vertical facing south.

Paint performance was found to be directly affected by the resistance to corrosion of the various magnesium alloys. The composition of the alloys determines, in large measure, their resistance to corrosion. As in the case of other metals, adequate surface treatment prior to painting was found to be very important. Numerous methods of surface treatment were investigated but the best protection was obtained with the "chrome pickle" treatment followed by a sealing treatment in hot bichromate solution or by means of a short dip in hydrofluoric acid followed by a sealing treatment in hot bichromate solution.

Zinc chromate primers made with phenolic resin varnishes of moderate oil length showed outstanding performance, particularly when followed by three coats of aluminum paint made with the same vehicle. It was found necessary to employ three finishing coats over the primer to achieve adequate protection under severe service conditions. Phenolic resin varnishes of 20 to 25 gallons oil length proved much better than longer-oil varnishes.

The order of failure of the various coatings in the alternate immersion test was found to agree quite well with that obtained in atmospheric exposure at the seacoast, although failure occurred at a much more rapid rate in the accelerated test. In certain instances the ratio of time of failure in the two types of exposure was as great as 1:50. In industrial atmospheric tests it has not been uncommon to obtain satisfactory protection for five or six years.

By proper selection of alloys, surface treatment, and painting system it has been found possible to obtain satisfactory protection on magnesium alloys for several years, even under relatively severe service conditions.

Metallic Copper Antifouling Paints

S. B. Tuwiner and D. A. Dodge, of the Phelps-Dodge Corporation, tell the paint and varnish group of the American Chemical Society about pure electrolytic copper bronze paste combined with oleoresinous varnish vehicles based on coumarone-indene and allied resins fortified with a 100 percent paraphenylphenol - formaldehyde resin, and also with an unmodified, heat reactive phenolic. Panels coated with these compositions were exposed off the Florida coast. Results show the best compositions tested were one containing a 6-gallon tung oil varnish the resin of which consisted of 75 percent dark-colored coumarone-indene resin and 25 percent paraphenylphenol, and one containing a 4-gallon tung oil varnish, the resin of which was 100 percent dark-colored coumarone-indene.

The first of these compositions was tested on the hull of a commercial freighter and found to have practical merit. Durability is a function of the primer as well as the top coat, and the selection of the former is extremely important for this type of antifouling paint.

Procter & Gamble Seeks Ban On 'Swan' Soap Ad Theme

Cincinnati, April 29, 1941

Procter & Gamble Company, this city, has filed suit in United States District Court here to enjoin Lever Brothers Company, Cambridge, Mass., from manufacturing or selling "Swan" soap, which plaintiff contends is an imitation of its "Ivory" soap. Plaintiff also contends that defendant's advertising and merchandising policies in regard to "Swan" soap have been such as to make the purchaser tend to confuse that soap with "Ivory".

Dunning Gets Fellowship For Atomic Power Research

Dr. John R. Dunning, a professor of physics at Columbia University who is directing investigations into the sources of the atomic power with the aid of Columbia's atom smasher, has received the Ernest Kempton Adams Research Fellowship from the university trustees to carry on additional research, Dr. Nicholas Murray Butler, president of the university has announced.

Industrial Sales Corp. Moves

Industrial Sales Corporation, manufacturers' agent, importer and exporter of heavy chemicals and raw materials, will move May 1 from the Lincoln Building to larger quarters in 295 Madison avenue, this city.

The firm acts as exclusive sales agent in India for the Jefferson Lake Sulphur Company, and for the Carbon Black Export Association. The company also represents a number of other American firms in various foreign markets. The corporation is headed by M. L. Blanc, with Charles Glass, vice-president, and Joseph L. Willmotte, secretary.

Wood floor finishes is the subject of a circular, No. 616, just issued by the scientific section of the National Paint, Varnish and Lacquer Association.

Shipping Information

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Imports at U. S. Ports

New York Imports

AGAR—15 bls, S B Penick & Co, Yokohama
15 pkgs, S B Penick & Co, Yokohama
ALOE—81 tins, Wessel, Duval & Co, Puerto Cabello
150 cs, Aruba
200 cs, Aruba
ALUMINUM FOIL—5 cs, Sale & Co, Kobe
AMMONIA, CHLORIDE—40 pkgs, Republic Chem Corp, Buenos Aires
SULPHOCYANIDE—58 crates, Yokohama
ANISE—101 bgs, F W Pabst, Vera Cruz
101 pkgs, F W Pabst, Vera Cruz
ANTIMONY ORE—3,461 bgs, Banco Minero de Bolivia, Chanaral
800 bgs, Banco Minero de Bolivia, Antofagasta
849 bgs, Banco Minero de Bolivia, Antofagasta
APRICOT KERNELS—140 bgs, T M Duche & Sons, Tientsin
BENTONITE—4 dms, United Fruit Co, Kingston
BERILLO ORE—417 bgs, Cabadello
50 bgs, Cabedello
BISMUTH, ALLOY—124 cs, Cerro de Pasco Copper Co, Callao
REFINED—130 cs, Cerro de Pasco Copper Co, Callao
BRISTLES—35 cs, Robert Schwartz, San Antonio
70 cs, N Wagman & Co, Shanghai
CANAIGRE ROOT—75 bgs, New York & Cuba Mail S S Co, Vera Cruz
CANARY SEED—315 bgs, H S Cramer & Co, Buenos Aires
CASEIN—167 bgs, Kurt Fleischner, Buenos Aires
534 bgs, Chase National Bank, Buenos Aires
834 bgs, Chase National Bank, Buenos Aires
850 bgs, Casein Co, Buenos Aires
CASSIA—40 bls, S L Jones & Co, Manila
CASTOR BEANS—400 bgs, Spencer Kellogg & Sons, Port au Prince
1,250 bgs, Baker Castor Oil Co, Ceara
1,464 bgs, Bunge North American Grain Co, Ceara
1,700 bgs, Baker Castor Oil Co, Pernambuco
1,700 bgs, Bunge North American Grain Co, Pernambuco
2,000 bgs, National City Bank, Cabedello
1,700 bgs, Baker Castor Oil Co, Pernambuco
1,665 bgs, Bunge North American Grain Co, Pernambuco
3,056 bgs, National City Bank, Cabedello
1,338 bgs, Natal
1,587 bgs, Spencer Kellog & Sons, Ceara
1,636 bgs, Ceara
1,700 bgs, Guaranty Trust Co, Bahia
1,700 bgs, Baker Castor Oil Co, Bahia
1,700 bgs, National City Bank, Bahia
2,360 bgs, Baker Castor Oil Co, Bahia
CHEMICALS—100 cs, H H Rosenthal Co, Kobe
41 cs, Hoffmann La Roche, Lisbon
18 cs, Ciba Co, Lisbon
22 cyls, 95 bbls, Sandoz Chem Works, Lisbon
8 cs, Hoffmann La Roche, Lisbon
21 cs, J E Bernard & Co, Lisbon
16 kegs, 5 cs, Goudrand Shipping Co, Lisbon
65 dms, 20 cns, J E Bernard & Co, Lisbon
50 bbls, J E Bernard & Co, Lisbon
10 bbls, New York & Cuba Mail S S Co, Lisbon
CINCHONA BARK—300 bls, Batavia
CINNAMON QUILLS—100 bls, C M Van Sillevoldt, Colombo
25 bls, Gillespie & Co, Colombo
125 bls, C T Wilson & Co, Colombo
60 bls, C M Van Sillevoldt, Colombo
COALTAR INTERMEDIATES — 2 kegs, Carbic Color & Chem Co, Lisbon
COCHINEAL—36 bgs, L Daumery, Alicante
48 bgs, Wessel, Duval & Co, Callao
COCOA BEANS—200 bgs, Wessel, Duval & Co, Guayaquil
250 bgs, Daarnhouwer & Co, Guayaquil
250 bgs, Wessel, Duval & Co, Guayaquil
300 bgs, Wessel, Duval & Co, Guayaquil
250 bgs, Wessel, Duval & Co, Guayaquil
95 bgs, Lopez & Mangual, Maracaibo
550 bgs, General Cocoa Co, Puerto Cabello
300 bgs, Nieschlag & Co, Puerto Cabello
41 bgs, General Cocoa Co, Puerto Cabello
250 bgs, Wood & Selick, Guayaquil
1,169 bgs, W R Grace & Co, Guayaquil
250 bgs, Wood & Selick, Guayaquil
1,500 bgs, Guayaquil
750 bgs, Antoni & Co, Carupana
1,100 bgs, Bank of Venezuela, Carupana
300 bgs, Carupana
750 bgs, Antoni & Co, Rio Caribe
800 bgs, O J Hitz, Rio Caribe
1,000 bgs, Rio Caribe
250 bgs, A Canale, Cristobal
650 bgs, Daarnhouwer & Co, Brazil
60 bgs, Wessel, Duval & Co, Cristobal
500 bgs, Puerto Cabello
2,000 bgs, J Henry Schroeder Banking Corp, Bahia
1,000 bgs, Middleton & Co, Bahia
COCOA BUTTER—417 bls, Rockwood & Co, Bahia
COCONUT, DESIC—854 cs, Balfour, Guthrie & Co, Manila
496 pkgs, Balfour, Guthrie & Co, Manila
2,918 pkgs, Durkee Famous Food, Manila
421 pkgs, Philippine Desic Coconut Corp, Manila
885 cs, General Food Corp, Manila
2,451 bgs, General Food Corp, Manila
153 bgs, Balfour, Guthrie & Co, Manila
216 cs, General Food Corp, Manila
707 bgs, General Food Corp, Manila
COCONUTS—1,200 bgs, General Food Corp, Kingston
COMPOSITION LEAVES—5 cs, Sale & Co, Kobe
COPAIBA BALSAM—90 cs, Wessel, Duval & Co, Brazil
CORK—6 bgs, Barclay Bank, Lisbon
7 pkgs, Garcia & Diaz, Lisbon
42 bgs, Garcia & Diaz, Lisbon
22 bgs, Garcia & Diaz, Lisbon
44 bgs, Cork Product Co, Lisbon
DISCS—15 bls, Lisbon
15 bls, Penson & Co, Lisbon
35 bls, Lisbon
SHAVINGS—2,012 bls, Mundet Cork Corp, Lisbon
WASTE—516 bls, Mundet Cork Corp, Lisbon
764 bls, Mundet Cork Corp, Lisbon
400 bls, Mundet Cork Corp, Lisbon
1,667 bls, Mundet Cork Corp, Lisbon
WOOD—150 bls, Barber S S Co, Lisbon
1,660 bls, Mundet Cork Corp, Lisbon
225 bls, Mundet Cork Corp, Lisbon
590 bls, Mundet Cork Corp, Lisbon
47 bls, Atlantic-Pacific Mfg Co, Lisbon
2,070 bls, Mundet Cork Corp, Lisbon
COTTON LINTERS—408 bls, West Texas Cottonoil Co, Buenos Aires
879 bls, Tradesman National Bank, Buenos Aires
409 bls, West Texas Cottonoil Co, Buenos Aires
130 bls, Santos
568 bls, New England Waste Co, Buenos Aires
24 bls, Cristobal
1 pkg, Harry Stone, Manaos
149 bls, First National Bank, Natal
231 bls, Pan-American Mfg Co, Natal
98 bls, First National Bank, Natal
RESIDUE—270 bls, Commercial National Bank, Cabedello
88 bls, Irving Trust Co, Cabedello
60 bls, First National Bank, Cabedello
50 bls, Irving Trust Co, Cabedello
410 bls, Cabedello
COTTONSEED MEAL—11,200 bgs, S Stern Stiner & Co, Cerro Azul
5,000 bgs, Ashcroft, Wilkinson & Co, Port au Prince
1,080 bgs, S Stern Stiner & Co, Guayaquil
CUDBEAR—1 ck, Europe
CUTTLEFISH BONES—176 cs, Corn Exchange Bank Trust Co, Lisbon
33 cs, Philadelphia National Bank, Lisbon
DERRIS ROOT—31 bls, Dodwell & Co, Manila
CHIPS—250 bgs, Ledward, Bibby & Co, Manila
DIVI DIVI—709 bgs, Selma Mercantile Corp, Curacao
1,277 bgs, Selma Mercantile Corp, Curacao
530 bgs, Selma Mercantile Corp, Curacao
1,068 bgs, National City Bank, Curacao
DRUGS—17 pkgs, Winthrop Chem Co, Bombay
DYES, ANILIN—18 dms, Dumont Shipping Co, Lisbon
23 dms, 4 cs, Dumont Shipping Co, Lisbon
45 dms, Dumont Shipping Co, Lisbon
66 dms, Atlantic Shipping Co, Lisbon
158 pkgs, Rohner, Gehrig & Co, Lisbon
62 cks, Geigy Co, Lisbon
22 kgs, Carbic Color & Chem Co, Lisbon
48 cks, Geigy Co, Lisbon
9 kgs, Carbic Color & Chem Co, Lisbon
135 cks, Geigy Co, Lisbon
148 pkgs, Atlantic Shipping Co, Lisbon
48 dms, 37 cks, J E Bernard & Co, Lisbon
11 pkgs, A E Nydegger & Co, Lisbon
35 kgs, Goudrand Shipping Co, Lisbon
89 dms, J E Bernard & Co, Lisbon
19 dms, Sandoz Chem Works, Lisbon
151 bbls, New York & Cuba Mail S S Co, Lisbon
36 pkgs, 10 dms, New York & Cuba Mail S S Co, Lisbon
DYESTUFF—102 dms, L & R Organic Prod Co, Kobe
EARTH—462 bgs, Pomeroy & Fischer, Vera Cruz
FLAXSEED—963,000 kilos, 38,520 bus, Kuiper & Bolle, Buenos Aires
882 bgs, 1,940 bus, Kuiper & Bolle, Buenos Aires
1,804 tons, 72,160 bus, Laval & Co, Buenos Aires
194,053 kilos, 7,762 bus, Laval & Co, Buenos Aires
FLEASEED HUSK—224 bgs, T M Duche & Sons, Bombay
GENTIAN ROOT—112 bls, Volkart Bros, Vigo
91 bls, E Meer & Co, Vigo
GILSONITE—220 bgs, G Sicklick, Havana
GINGER ROOT—25 bgs, Durkee Famous Food, Kingston
10 bgs, D Steengrafe, Kingston
50 bgs, Dodge & Olcott Co, Kingston
81 bgs, Gillespie & Co, Kingston
25 bgs, Royal Bank of Canada, Kingston
117 bgs, Barclay Bank, Kingston
GLUE—152 bgs, Transatlantic Animal By-Product Corp, San Antonio
GLUESTOCK—11 bls, Manufacturers Trust Co, Buenos Aires
78 bls, La Teneria National, Havana
533 bls, H Remis & Co, Vera Cruz
GLYCERIN—92 dms, Buenos Aires
88 dms, Colgate-Palmolive-Peet Co, Manila
GRAPHITE—251 bgs, Joseph Dixon Crucible Co, Colombo
250 bgs, Asbury Graphite Mills, Colombo
276 bgs, Patterson, Boardman & Knapp, Colombo
308 bgs, E I Pittmos, Colombo
286 bgs, Joseph Dixon Crucible Co, Colombo
286 bgs, Asbury Graphite Mills, Colombo
GUM—1 cs, Eli Lilly & Co, Bombay
CHICLE—533 bls, Mexican Exploitation Co, Vera Cruz
274 bls, Mexican Exploitation Co, Vera Cruz
425 bls, Mexican Exploitation Co, Vera Cruz
COPAL—140 bgs, France, Campbell & Darling, Manila
DAMMAR—210 bgs, Thurston & Braidich, Singapore
250 bgs, Stroock & Wittenberg Corp, Singapore
50 cs, S Winterbourne & Co, Singapore
868 bgs, S Winterbourne & Co, Singapore
KARAYA—350 bgs, S B Penick & Co, Bombay
107 bgs, Frank Vliet Co, Bombay
400 bgs, Innis, Speiden & Co, Bombay
332 bgs, Thurston & Braidich, Bombay
334 bgs, Jacques Wolf & Co, Bombay
350 bgs, S B Penick & Co, Bombay
466 bgs, Innis, Speiden & Co, Bombay
667 bgs, Jacques Wolf & Co, Bombay
334 bgs, S B Penick & Co, Bombay
266 bgs, Innis, Speiden & Co, Bombay
334 bgs, Jacques Wolf & Co, Bombay
66 bgs, Guaranty Trust Co, Bombay
66 bgs, F W Mead & Co, Bombay
266 bgs, S B Penick & Co, Bombay
251 bgs, Irving Trust Co, Bombay
GUM, OLIBANUM—19 cs, F H Wrede & Son, Bombay
16 cs, Irving Trust Co, Bombay
PENDARE—320 bls, Chicle Development Co, Ciudad Bolivar
HEMPSEED—173 bgs, Smith & Bird, Valparaiso
HERBS, MED—10 bls, S B Penick & Co, Buenos Aires
11 bls, R J Prentiss & Co, Buenos Aires
INDIGO—40 dms, Ciba Co, Lisbon
108 dms, Ciba Co, Lisbon
320 dms, Ciba Co, Lisbon
260 dms, Ciba Co, Lisbon
IPECAC ROOT—9 bgs, N Brandon & Son, Pto Limon
IRON OXIDE—500 bgs, Reichard-Coulston, Europe
40 pkgs, J Lee Smith & Co, Europe
40 pkgs, I Lee Smith & Co, Europe
40 pkgs, Stanley-Doggett, Europe
JALAP ROOT—40 bgs, F W Pabst, Vera Cruz
37 bgs, F W Pabst, Vera Cruz
30 bgs, New York & Cuba Mail S S Co, Vera Cruz
16 bgs, F W Pabst, Vera Cruz
KOLA NUTS—40 bgs, D Steengrafe, Kingston
LOGWOOD—32 tons, W & A Leaman, Kingston
LYCOPODIUM—8 cs, National City Bank, Asaka
MATE—2 bbls, Rio Janeiro
MEDICINAL PREPS—4 cs, Milton Snedeker Corp, Havana
MENTHOL—50 cs, Bridges, Neumer & Co, Kobe
25 cs, Bridges, Neumer & Co, Kobe
MINERALS—20 cs, Royal Bank of Canada, Cabedello
MUSTARD SEED—125 bgs, Max Kernreichs, Valparaiso
336 bgs, Joensson & Cross, Tientsin
OIL—7 dms, Hellenic Bank Trust Co, Rio Janeiro
10 cs, Lloyd Brazilian, Manaos
CAMPHOR—20 dms, Givaudan-Delawanna, Kobe
CASTOR—80 dms, Royal Bank of Canada, Bahia
150 dms, Royal Bank of Canada, Bahia
CINNAMON LEAF—2 dms, Givaudan-Delawanna, Colombo
COCONUT—517 long tons, Philippine Refg Corp, Ceba
500 tons, Batavia
COD—176 dms, Canada
244 cks, Canada
ESSENTIAL—1 dm, Magnus, Mabee & Reynard, Kingston
18 cs, Lautier Fils, Penang
EUCALYPTUS—10 dms, Orbis Product Corp, Kobe
10 dms, Lo Curto & Funk, Kobe
FUEL—10,000 bbls, Asiatic Petroleum Corp, Curacao
99,074 bbls, Petroleum Mexican, Tampico
HO—5 dms, Lo Curto & Funk, Kobe
5 dms, Lo Curto & Funk, Kobe
LAVENDER SPIKE—1 dm, Alicante
LIME DIST—50 cs, R S Gamble & Son, Kingston
LINALOE — 1 dm, Fritzsche Bros, Vera Cruz
NEATSFOOT—100 tcs, Buenos Aires
99 tcs, Buenos Aires
OITICICA—126 dms, Pacific Vegetable Oil Co, Brazil
250 dms, Irving Trust Co, Brazil
200 dms, Brazil
150 dms, Bank of California Assn, Brazil
256 dms, Irving Trust Co, Brazil
635 dms, Brazil
ORANGE—4 cs, Dodge & Olcott Co, Kingston
PALM — 706 tons, Banque Belg pour L'Etranger, Belawan Deli
PIMENTO LEAF—1 dm, Kingston
RAPESEED—300,000 kilos, W R Grace & Co, Buenos Aires
343,891 kilos, Murray Oil Product Co, Buenos Aires
ROSE—4 pots, Murphy & Beese, Bombay
ROSEWOOD—13 dms, Lloyd Brazilian, Manaos
37 dms, Lloyd Brazilian, Manaos
SASSAFRAS—25 dms, Orbis Product Corp, Kobe
ORANGE PEEL—6 bbls, W J Bader, Port Prince
PAPAIN—22 cs, R J Prentiss & Co, Colombo
22 cs, Wessel, Duval & Co, Colombo
PAPRIKA—100 bgs, Manufacturers Trust Co, Lisbon
PATCHOULI LEAVES—50 bls, F B Ross & Co, Singapore
70 bls, Volkart Bros, Penang
PEPPER—51 bgs, Andes Product Co, Valparaiso
185 bgs, Vera Cruz
PETROLEUM, CRUDE—8 bbls, Venezuela Petroleum Co, Caripito
PHOSPHORUS, RED—100 cs, Nosawa & Co, Tokyo
PIMENTO—6 bgs, Van Norden & Archibald, Kingston
5 bgs, Kingston
QUASSIA CHIPS—400 bgs, R J Prentiss & Co, Kingston
QUEBRACHO EXTRACT—1,000 bgs, International Product Corp, Buenos Aires
1,047 bgs, Tannin Corp, Buenos Aires
3,271 bgs, Tannin Corp, Buenos Aires
2,167 bgs, Tannin Corp, Buenos Aires
1,000 bgs, International Product Corp, Buenos Aires
1,500 bgs, International Product Corp, Buenos Aires
500 bgs, Tannin Corp, Buenos Aires
1,105 bgs, Tannin Corp, Buenos Aires
1,084 bgs, Tannin Corp, Buenos Aires
QUININE SULPHATE — 95 cs, Guaranty Trust Co, Batavia
106 cs, Chase National Bank, Batavia
RAPESEED—545 bgs, Albert Dickinson & Co, Buenos Aires
200 bgs, A G Dunn, Bombay
ROSIN—27 cs, Astoria Import & Mfg Co, Brazil
31 cs, Astoria Import & Mfg Co, Brazil
SAFFRON FLOWERS—8 bgs, Peek & Velsor, Vera Cruz
SAFROL—10 dms, Ungerer & Co, Kobe
5 dms, Magnus, Mabee & Reynard, Kobe
SAGO FLOUR—434 bgs, H S Carmer & Co, Singapore
SCHEELITE ORE—72 bgs, Irving Trust Co, Vera Cruz
SHELLAC—200 bgs, E E Androvette, Calcutta
SODA SILICOFLUORIDE—100 bbls, Hummel Chem Co, Lisbon
SPONGES—25 bls, Gulf West Indies Co, Havana
23 bls, J H Rhodes & Co, Havana
20 bls, J Esfakis, Havana
16 bls, Mantas Bros, Havana
13 bls, Luis Peras Bosch, Havana
3 bls, J Bloch, Inc, Havana
3 bls, New York & Cuba Mail S S Co, Havana
12 bls, Luis Peras Bosch, Havana
REFUSE—3 bls, J Bloch, Inc, Havana
SQUILLS, WHITE—192 bgs, F H Weede & Son, Bombay
64 bgs, Kachurin Drug Co, Bombay
64 bgs, J L Hopkins & Co, Bombay
STARCH—2,500 bgs, Brazil
TALC—2,000 bgs, Mitsui & Co, Kobe
2,057 bgs, Heymann Co, Bombay
2,286 bgs, Heymann Co, Bombay
TALLOW—250 bgs, Bank of London & South America, Buenos Aires
286 bgs, Guaranty Trust Co, Buenos Aires
280 bgs, Guaranty Trust Co, Buenos Aires
518 dms, C J Schellings & Co, Buenos Aires
107 dms, D C Andrews & Co, Buenos Aires
TANKAGE—450 bgs, Wilson & Co, Buenos Aires
1,016 bgs, C Hollinshed Co, Buenos Aires
TAPIOCA FLOUR—300 bgs, Chase National Bank, Havana
18 bgs, Richard Chem Works, Havana
TARTAR—182 bgs, Standard Brands, Lisbon
TUBA ROOT—48 bls, S B Penick & Co, Singapore
TURMERIC—494 bgs, Jacmel
VANADIUM ORE—15,086 bgs, Vanadium Corp of America, Callao
VANILLA BEANS—13 cs, Thurston & Braidich, Vera Cruz
43 cs, New York & Cuba Mail S S Co, Vera Cruz
35 cs, Norda Essential Oil & Chem Co, Vera Cruz
24 cs, New York & Cuba Mail S S Co, Vera Cruz
12 cs, Geo Lueders & Co, Vera Cruz
11 cs, J Manheimer, Inc, Vera Cruz
10 cs, Norda Essential Oil & Chem Co, Vera Cruz
6 cs, New York & Cuba Mail S S Co, Vera Cruz
WAX, BEES—78 bgs, Duncan, Fox & Co, Talcahuano
2 bgs, Duncan, Fox & Co, Talcahuano
90 dms, W R Grace & Co, Valparaiso
25 bgs, Schutte & Focke, Aux Cayes
7 bgs, Curacao Trading Co, Port au Prince
19 bgs, F W Pabst, Vera Cruz
56 bgs, Irving Trust Co, Havana
18 bgs, D Steengrafe, Havana
19 bgs, Havana
23 bgs, Irving Trust Co, Havana
CARNAUBA—56 bgs, Bank of London South America, Brazil
168 bgs, Guaranty Trust Co, Brazil
169 bgs, Brazil
62 bgs, Schroeder Banking Corp, Brazil
556 bgs, National City Bank, Brazil
280 bgs, Brazil
56 bgs, Bank of London South America, Brazil
168 bgs, National City Bank, Brazil
224 bgs, Brazil
56 bgs, Guaranty Trust Co, Brazil
89 bgs, Brazil
67 bgs, Brown Bros Harrimann Co, Rio Janeiro
56 bgs, Strahl & Pitsch, Ceara
OURICURY—36 bgs, National City Bank, Rio Janeiro
169 bgs, Wessel, Duval & Co, Bahia
48 bgs, A Hurst & Co, Bahia
VEGETABLE — 40 cs, Mitsubishi-Shoji-Kaisha, Mozi
WOLFRAM, CONC—500 bgs, Irving Trust Co, Chanaral
1,000 bgs, Irving Trust Co, Antofagasta
ORE—182 bgs, Banco Minero de Bolivia, Arica
507 bgs, W R Grace & Co, Mollendo
WOLFRAMITE ORE—459 bgs, Irving Trust Co, Buenos Aires

New York Transit Imports

CHEMICALS—1 cs, Eli Lilly & Co, Havana, Indianapolis
COCA LEAVES—103 bls, Maywood Chem Works, Salaverry, Maywood
COCONUT, DESIC—1,000 cs, Philip Levy, Manila, Bridgeport
3,000 bgs, General Food Corp, Manila, Bridgeport
GRAPHITE — 286 bgs, Superior Flake Graphite Co, Colombo, Chicago
MUSTARD SEED—672 bgs, R T French & Co, Tientsin, Rochester
OIL, PEANUT—195 tons, Lever Bros, Tsingtao, Toronto
182 tons, Canada Packing Co, Tsingtao, Toronto
301 tons, Swift Canadian Co, Tsingtao, Toronto
289 tons, Canada Packing Co, Tsingtao, Toronto
PEPPERMINT—20 cs, Norda, Ltd, Shanghai, Toronto
VANILLA BEANS—17 cs, M Cortizas Co, Vera Cruz, Philadelphia
23 cs, M Cortizas Co, Vera Cruz, Philadelphia
19 cs, M Cortizas Co, Vera Cruz, Philadelphia

Baltimore Imports

CHROME ORE—1,000 tons, Beira
6,500 tons, Santa Cruz
COCONUT, DESIC—104 cs, 70 bgs, Zamboanga
362 cs, Manila
COPRA—2,277 tons, Cebu
IRON ORE—21,800 tons, Bethlehem Steel Co, Cruz Grande
11,800 tons, Bethlehem Steel Co, Rio Janeiro
21,500 tons, Bethlehem Steel Co, Cruz Grande
21,500 tons, Bethlehem Steel Co, Cruz Grande
LIVER MEAL—1,087 bgs, Buenos Aires
MANGANESE ORE—5,750 tons, Rio Janeiro
8,720 tons, Calcutta
MOLASSES—761,150 gls, Cuba Distilling Co, Barahona
637,620 gls, Cuba Distilling Co, Macoris
OIL, COCONUT—480 tons, Manila
FUEL—110,000 bbls, Standard Oil Co, Aruba

QUEBRACHO EXTRACT—12,228 bgs, Buenos Aires
TANKAGE—3,014 bgs, Buenos Aires
WATTLE BARK—276 bls, Mombasa

Boston Imports

BONES—367 bgs, Armour & Co, Santos
CASEIN—84 bgs, Kern Maurer, Buenos Aires
COTTON LINTERS—141 bls, First National Bank of Boston, Santos
QUEBRACHO EXTRACT—1,000 bgs, International Product Corp, Buenos Aires
500 bgs, International Product Corp, Buenos Aires
1,050 bgs, International Product Corp, Buenos Aires
1,958 bgs, Tannin Corp, Buenos Aires
RAPESEED—284 bgs, Buenos Aires
TANKAGE—1,100 bgs, Buenos Aires
2,000 bgs, Wessel, Duval & Co, Montevideo
985 bgs, Buenos Aires
2,885 bgs, Charles Hollinshed Co, Montevideo

Los Angeles Imports

AGAR—60 lbs, Yokohama
2,650 lbs, Kobe
AMMONIA PHOSPHATE—6,800 bgs, 784,000 lbs, Trail
SULPHATE—600 bgs, 54,000 lbs, Trail
CAMPHOR, REFD—1,000 lbs, Japan
CASSIA—3,330 lbs, Hongkong
CHAMOIS SKINS—30 lbs, London
COALTAR PROD—50 dms, 26,770 lbs, London
COCONUT, DESIC—562 cs, 61,820 lbs, Zamboanga
362 pkgs, 40,440 lbs, Manila
4,850 pkgs, 5,217,000 lbs, Manila
COPRA—1,364,160 lbs, Cebu
MEAL—6,060 bgs, 1,147,370 lbs, Mazatlan
DIATOMACEOUS EARTH—100 bgs, 10,000 lbs, Belfast
DRUGS, CRUDE—700 lbs, Hongkong
FISH LIVERS—115 tins, 4,000 lbs, Yokohama
150 tins, 6,000 lbs, Japan
258 tins, 11,320 lbs, Kobe
243 tins, 9,720 lbs, Yokohama
FLAVORING POWDER—80 lbs, Hongkong
GINGER ROOT—500 lbs, Hongkong
HENNA LEAVES—2,580 lbs, Amritsar
POWDERED—11,540 lbs, Karachi
INK—80 lbs, Hongkong
IRON OXIDE SYNTH—5,600 lbs, Manchester
LIME—990 bgs, 59,900 lbs, Vancouver
OIL, ESSENTIAL—10 lbs, Hongkong
PEANUT—4,880 lbs, Hongkong
ORANGE PEEL, DR—200 lbs, Hongkong
PALMKERNELS—8,420 lbs, Sydney
PAPRIKA—2,750 lbs, Valencia
2,750 lbs, Valencia
PERFUME—3 lbs, London
RICE FLOUR—400 lbs, Hongkong
RESIN VINYL—1,000 lbs, Montreal
SEAWEEDS—30 lbs, Hongkong
SESAME SEED—90 lbs, Yokohama
63 pkgs, 10,120 lbs, Shanghai
SHARK LIVERS—80 lbs, Cuba
900 lbs, Mazatlan
TAPIOCA FLOUR—8,000 lbs, Hongkong
7,900 lbs, Hongkong
SEED—7,950 lbs, Semarang

New Orleans Imports

COCOA BEANS—69 tons, Bocas del Toro

Philadelphia Imports

BLOOD, DRIED—1,003 bgs, National City Bank of New York, Montevideo
BONE GRIST—5,943 bgs, Philadelphia National Bank, Buenos Aires
1,294 bgs, Philadelphia National Bank, Buenos Aires
BONEMEAL—2,204 bgs, Montevideo
CANARY SEED—72 bgs, E S Carmer & Co, Buenos Aires
CHROME ORE—2,600 tons, Masinloc
GLYCERIN—151 dms, Guaranty Trust Co, Montevideo
MAGNESITE ORE—1,000 tons, Darien
MANGANESE ORE—2,770 bgs, Manila
MOLASSES—1,922,196 gls, Publicker Alcohol Corp, Havana
1,838,684 gls, Publicker Alcohol Corp, Cienfuegos
870,936 gls, E I du Pont de Nemours & Co, La Romana
497,258 gls, E I du Pont de Nemours & Co, Bergentine
OIL, COCONUT—516.546 long tons, Cebu
FUEL—70,000 bbls, Socony Vacuum Trans Co, Aruba
65,000 bbls, Socony Vacuum Trans Co, Aruba
OLEO STEARIN—400 bgs, Mellon National Bank, Buenos Aires
PETROLEUM, CRUDE—65,000 bbls, Socony Vacuum Trans Co, Cartagena
94,317 bbls, Sun Oil Co, Puerto la Cruz
114,000 bbls, Sinclair Navigation Co, Tuxpam
99,859 bbls, Gulf Oil Corp, Puerto la Cruz
119,549 bbls, Gulf Oil Corp, Puerto la Cruz
92,000 bbls, Atlantic Refining Co, Las Piedras
65,000 bbls, Sinclair Navigation Co, Tuxpam
PAU-SANTO BARK — 160 bls, Armstrong Cork Co, Santos
QUEBRACHO EXTRACT—11,114 bgs, First National Bank of Boston, Buenos Aires
RAPESEED—1,120 bgs, Buenos Aires

San Francisco Imports

AGAR—5 cs, Kobe
5 bls, Kobe
ALBACORE LIVER—78 tins, R J Roesling & Co, Shimizu
BONE MEAL—1,500 bgs, Balfour, Guthrie & Co, Tientsin
1,000 bgs, Balfour, Guthrie & Co, Tientsin
FILTER PAPER—5 cs, Kobe

Imports Detained

Detentions recently effected at various ports by United States authorities on determination by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug and cosmetics act, or did not comply with other customs regulations, included the following articles for the reason stated:—

New York
Two Weeks Ended April 30

Anise seed, 208 bags; dirty.
Cassia oil, 30 drums; not U.S.P.
Cantharides, 9 cases; not U.S.P.
Cod oil, 134 casks; restricted use.
Coriander seed, 100 bags; filthy.
Ergot, 20 cases; not U.S.P.
Ipecac root, 5 bales; excess stems.
Mace, 22 cases; worm-eaten.
Medicinal preparations, 5 parcels; new drug.
Medicinal preparations, 3 parcels; not properly labeled.
Medicinal preparation, 1 parcel; false therapeutic claims; dangerous drug.
Medicinal preparation, 1 parcel; false and misleading statements.
Medicinal preparations, 1 case, 2 parcels; false therapeutic claims.
Medicinal preparations, 3 parcels; dangerous drug.
Nutmegs, 1,767 bags; restricted use.
Nutmegs, 94 bags; wormy and moldy.
Sage leaves, 85 bags; excess stems.
Sage leaves, 52 bales; filthy.
Sassafras oil, 75 drums; spurious.
Tapioca flour, 1,109 bags; moldy and sour.
Thyme leaves, 73 bags; dirty.

Baltimore
Week Ended April 30

Medicinal preparations, 9 parcels; not properly labeled.

Boston
Week Ended April 30

Cod oil, 50 casks; restricted use.
Medicinal preparations, 2 parcels; not properly labeled.

Denver
Week Ended April 24

Medicinal, 3 pieces; false therapeutic claims.

Philadelphia
Week Ended April 30

Cocoa beans, 452 bags; water damaged.
Cornmint oil, 2 cases; restricted use.

San Francisco
Week Ended April 24

Medicinals, 7,974 pieces; false therapeutic claims.
Cumin seed, 145,112 pounds; filthy.

Seattle
Week Ended April 24

Cassia rolls, 6,000 pounds; filthy and decomposed.
Medicinals, 4 pieces; false therapeutic claims.
Sesame seed, 12,000 pounds; filthy.

Exports from U. S. Ports

Baltimore Exports

AMMONIA SULPHATE—428 tons, Hongkong; 800 tons, Hongkong
CHLORINE, LIQUID—22,300 lbs, Capetown
LITHOPONE—44,800 lbs, Hongkong
POTASH MURIATE—2,953 tons, Yokohama
PUTTY—530 lbs, Martinique
SODA FLUORIDE—10 lbs, Port Natal

Los Angeles Exports

ACID, BORIC—250 bgs, 22,400 lbs, Bombay; 80 kgs, 8,960 lbs, Colombo; 300 bgs, 33,600 lbs, Liverpool; 240 bgs, 26,880 lbs, Calcutta; 100 bgs, 11,200 lbs, Karachi; 100 bgs, 11,200 lbs, Durban
CRESYLIC—25 dms, 10,600 lbs, Manila
NAPHTHENIC—10 lbs, Hongkong
ALCOHOL, BUTYL—670 lbs, Hongkong
ALGINATE—270 dms, 13,500 lbs, Belawan Deli
ALUMINUM PASTE—100 lbs, Hongkong
ASPHALT—75 dms, 35,990 lbs, Shanghai; 75 dms, 36,770 lbs, Shanghai; 40 dms, 20,000 lbs, Capetown
LIQUID—777 dms, 348,100 lbs, Batavia
AUTO POLISH—110 lbs, Capetown
BORATE—6,189 bgs, 1,092,720 lbs, Liverpool
BORAX—2,200 bgs, 246,400 lbs, Liverpool; 800 bgs, 56,000 lbs, Hongkong; 150 pkgs, 20,160 lbs, Bombay; 300 bgs, 33,600 lbs, Karachi; 200 bgs, 22,400 lbs, Rangoon; 1,000 bgs, 112,000 lbs, Hongkong; 120 pkgs, 12,720 lbs, Port Elizabeth; 40 bgs, 4,480 lbs, Durban; 400 cs, 40,000 lbs, Johannesburg; 90 cs, 9,000 lbs, Que Que, So Rhod; 50 cs, 5,000 lbs, Beira
BUTYL ACETATE—730 lbs, Hongkong
CHEMICALS—30 lbs, Hongkong
CLAY—200 bgs, 20,000 lbs, San Pablo; 400 bgs, 40,000 lbs, Balik Papan
CLEANING COMP, PWD—1,500 lbs, Salisbury
CLEANSER—3,360 lbs, Hongkong
COCONUT EXTRACT—1 lb, Hongkong
DIATOMACEOUS EARTH—4,320 bgs, 432,000 lbs, Havana; 300 bgs, 30,000 lbs, Santiago; 400 bgs, 40,000 lbs, Manila; 1,088 bgs, 110,430 lbs, Buenos Aires
EARTH—8 cs, 5,000 lbs, Buenos Aires
FILTERING CLAY—1,235 bgs, 54,050 lbs, Buenos Aires; 400 bgs, 16,000 lbs, Shanghai
FLAVORING EXTRACT—5,400 lbs, Manila; 1,080 lbs, Manila; 40 lbs, Bombay
GASOLINE—80,630 bbls, 21,044,430 lbs, Vladivostok; 14,410 bbls, 3,761,010 lbs, Yokkaichi; 83,203 bbls, 21,715,980 lbs, Vladivostok; 248 dms, 84,300 lbs, Santa Rosalia
GREASE—29 pkgs 1,960 lbs, Sourabaya; 28 pkgs, 1,930 lbs, Semarang; 18 pkgs, 660 lbs, Medan; 56 cs, 1,160 lbs, Bangkok; 7 pkgs, 940 lbs, Batavia; 4 pkgs, 160 lbs, Padang; 368 pkgs, 59,460 lbs, Manila; 60 bbls, 22,200 lbs, Manila
CUP—456 bbls, 173,150 lbs, Vladivostok
LUBRICATING—350 dms, 66,280 lbs, Cebu
GYPSUM CALC—40 bgs, 3,990 lbs, Balboa
KALSOMINE—160 kegs, 16,000 lbs, Manila; 10,000 lbs, Manila
LACQUER—800 lbs, Hongkong; 1,430 lbs, Lima; 8,970 lbs, Cape Town; 9,750 lbs, Durban
THINNER—27,520 lbs, Manila; 2,640 lbs, Santiago; 5,280 lbs, Manila; 880 lbs, Lima; 28,320 lbs, Santiago; 1,890 lbs, Santiago; 28,800 lbs, Durban
LARD—500 pkgs, 187,020 lbs, Yokohama
LITHOPONE—2,000 lbs, Hongkong
LUBRICANT—130 lbs, Manila
MEDICINAL PREP—410 lbs, Calcutta; 200 lbs, Madras
METHYL CHLORIDE—360 lbs, Manila
OIL, COCONUT—52 dms, 20,900 lbs, Barranquilla
COTTONSEED—800 ctns, 30,800 lbs, Yokohama
DIESEL—1,406 bbls, 438,670 lbs, Puerto Armuelles; 31,755 bbls, 9,907,560 lbs, Fusan; 51,965 bbls, 16,212,400 lbs, Gensan; 8,280 bbls, 2,583,360 lbs, Shanghai
FUEL—42,493 bbls, 14,150,170 lbs, Manila; 90,493 bbls, 30,134,170 lbs, Tocopilla; 33,656 bbls, 11,207,450 lbs, Bolivia; 43,567 bbls, 14,507,810 lbs, Antofagasta
LUBRICATING — 600 bbls, 267,330 lbs. Shanghai; 5,490 bbls, 2,354,200 lbs, Kobe; 155 pkgs, 31,820 lbs, Sourabaya; 75 pkgs, 19,400 lbs, Semarang; 64 pkgs, 10,480 lbs, Medan; 42 cs, 3,880 lbs, Bangkok; 150 dms, 73,720 lbs, Bombay; 200 bbls, 93,340 lbs, Shanghai; 140 pkgs, 39,580 lbs, Batavia; 8 dms, 3,880 lbs, Sourabaya; 10 dms, 5,040 lbs, Medan; 21 pkgs, 3,490 lbs, Padang; 14 dms, 6,980 lbs, Semarang; 645 pkgs, 290,150 lbs, Manila; 258 pkgs, 98,160 lbs, Manila
ORANGE—2 cs, 150 lbs, Hongkong
PALM—200 bgs, 20,000 lbs, Sourabaya
VEGETABLE FLAKE—1,000 bgs, 100,000 lbs, Manila
OXIDISING AGENT—68 dms, 11,220 lbs, Buenos Aires
PAINT—980 lbs, Lima; 690 lbs, Santiago; 4,500 lbs, Manila; 1,350 lbs, Durban
ALUMINUM—2,000 lbs, Manila
COMPOUND—3,150 lbs, Durban
DRIER—80 lbs, Hongkong
PEPPER, BLACK—100 bgs, 14,000 lbs, Havana
PERFUME—600 lbs, Hongkong
PETROLEUM, CRUDE—60,618 bbls, 21,720,820 lbs, Yokkaichi
POLISHING COMP—2,200 lbs, Sourabaya
PUTTY—490 lbs, Cape Town
RESIN—2,400 lbs, Hongkong
COALTAR—280 lbs, Hongkong
RUBBER COMP—60 lbs, Hongkong; 900 lbs, Manila
SCOURING COMP—250 cs, 14,000 lbs, Manila
SODA, CAUSTIC—400 cs, 14,750 lbs, Manila
SULPHITE—450 pkgs, 33,600 lbs, Penang
SOLDERING FLUX—50 lbs, Balboa
SULPHANILAMIDE—30 lbs, Yokohama
TITANIUM PIGMENT—2,400 lbs, Hongkong
TOILET PREP—870 lbs, Manila; 870 lbs, Rangoon; 5,990 lbs, Shanghai; 50 lbs, Hongkong; 3,690 lbs, Havana; 11,180 lbs, Sourabaya; 1,050 lbs, Shanghai; 310 lbs, Manila; 2,220 lbs, Bangkok; 600 lbs, East London
WAX, STEARIN, PALM—1,000 bgs, 100,000 lbs, Manila
YEAST—100 lbs, Puerto Armuelles
ZINC OXIDE—70,000 lbs, Shanghai

New Orleans Exports

ALUMINA SULPHATE — 112 tons, West Coast South America
ASPHALT—20 tons, Vera Cruz
CALCIUM CARBIDE—40 tons, Cristobal
CASEIN—9 tons, Vera Cruz
DISTILLATE—37 tons, Ceiba
CIDER SYRUP—21 tons, Vera Cruz
GASOLINE—504 tons, Puerto Cabezas; 10 tons, Ceiba
KEROSENE—2 tons, Puerto Cabezas
LARD—95 tons, Havana; 26 tons, Puerto Limon; 63 tons, Tampico
OIL, AVIATION—14 tons, Puerto Cabezas
COTTONSEED—18 tons, Havana
CREOSOTE—6 tons, Vera Cruz
DIESEL — 89 tons, Puerto Cabezas; 200 tons, Ceiba
FUEL—273 tons, Ceiba
LUBRICATING — 32 tons, Cristobal; 140 tons, West Coast South America
OILMEAL—51 tons, Havana
PARAFFIN—18 tons, Puerto Barrios
POLISHES, MARBLE—11 tons, Cristobal
QUEBRACHO EXTRACT — 150 tons, Vera Cruz; 68 tons, Havana
ROSIN — 11 tons, Cristobal; 89 tons, Barranquilla; 21 tons, Cartagena; 12 tons, Puerto Limon; 48 tons, West Coast South America; 29 tons, East Coast Colombia
SALT—80 tons, Havana
TRIPOLI—10 tons, Vera Cruz
TURPENTINE—54 tons, West Coast South America
WAX—28 tons, Vera Cruz
ZINC DUST—24 tons, Vera Cruz

Philadelphia Exports

ALUMINA SULPHATE—300 bbls, Manila
BLACK, LAMP—200 bbls, Manila
GREASE, LUBRICATING—15 cartons, Manila
INSECTICIDE—10 cartons, Manila
NITROCELLULOSE—132 bbls, Hongkong
OIL, LUBRICATING—1,094 dms, Hongkong; 2,647 bbls, Yokohama; 415 bbls, Osaka; 1,349 bbls, Kobe; 110, Darien
RAPESEED—25 cs, Hongkong
TRANSFORMER—25 dms, Hongkong

Coastwise Shipments

Los Angeles Coast Trade

GASOLINE — 2,777 bbls, San Diego; 2,226 bbls, San Diego; 69,723 bbls, Portland; 3,600 bbls, San Diego; 964 bbls, San Diego; 62,570 bbls, Portland; 13,628 bbls, Tacoma; 27,885 bbls, Tacoma; 4,729 bbls, San Diego; 2,290 bbls, San Diego; 2,872 bbls, San Diego
KEROSENE—2,226 bbls, Tacoma
OIL, DIESEL—4,300 bbls, San Diego; 11,385 bbls, Portland; 7,230 bbls, Portland; 1,455 bbls, San Diego; 12,972 bbls, Portland; 1,866 bbls, Tacoma
FUEL—39,700 bbls, Portland; 52,390 bbls, Portland; 7,054 bbls, Portland; 65,750 bbls, Portland; 26,965 bbls, Longview; 2,399 bbls, Portland; 76,324 bbls, Richmond; 41,007 bbls, Seattle; 28,233 bbls, Seattle
FURNACE—9,161 bbls, Tacoma
ROAD—18,438 bbls, Longview

American Standards List Ready for 1941

The American Standards Association today announced publication of a new list of American standards for 1941. More than 400 standards are listed, covering definitions, technical terms, specifications for metals and other materials, methods of test for the finished product, dimensions, safety provisions for use of machinery, and methods of work.

This list of American standards for 1941 will be sent free of charge to anyone interested in the work. Requests should be addressed to the American Standards Association, 29 West Thirty-ninth street, New York.

Synthetic Rubber Manual Issued by Hydrocarbon Co.

A twenty-page compounding menual for "Hycar O. R." an oil resistant type of synthetic rubber has just been published by the Hydrocarbon Chemical & Rubber Company, Akron, Ohio. Subjects discussed in relation to the oil resistant type of synthetic rubber are accelerators, adhesion to metals, antioxidants, blending with other materials, calendering, cements, examples of compound types, fillers, fabrication, heat resistance, lamination, mastication, mixing, molding, pigments, plasticizers, processing, softeners, solvents, specific gravity, tubing, vulcanization and waxes. Copies may be obtained by writing the company mentioning the REPORTER.

'Quadrafos' Industrial Uses Discussed in New Booklet

The industrial applications, properties and commercial aspects of sodium tetraphosphate are discussed in a new booklet issued by the American Cyanamid & Chemical Corporation. The company markets the material under the trademark 'Quadrafos.' An important use of 'Quadrafos' is stated to be in textile wet processing, since it has been found particularly advantageous for the softening of processing water. A copy of the attractive volume may be obtained by addressing the American Cyanamid & Chemical Corporation, 30 Rockefeller Plaza, New York, mentioning the REPORTER.

Nickel Survey Completed

A preliminary report on the current nickel situation has been submitted to the materials branch of the Division of Production, Office of Production Management, by the advisory committee on metals and minerals of the National Academy of Sciences. The study was made and submitted at the request of the materials branch. The report states that nickel is being currently supplied to the United States market at a rate more than double that of any year prior to 1939 at a monthly rate of about 14,500,000 pounds, as compared to 6,900,000 pounds in 1937. Copies of the complete report are available for interested persons at the Division of Information, Office for Emergency Management, Washington.

Sodium Silicate Applications In Industry Related

Uses of sodium silicate as an adhesive, binder, detergent and deflocculant, are described in a new bulletin being distributed by the Grasselli Chemicals Department of E. I. duPont de Nemours & Co. The bulletin contains a chart which indicates a wide range of applications. Various grades and their specific uses are listed.

Among the uses to which the chemical is put are ore flotation, clay casting, cementing china and glass, in weighting and degumming silk, in refining petroleum and benzol, in curing and patching concrete and in adhesive mixtures with starches, dextrine, blood albumin and glue. In gelatinous films, it serves a variety of purposes, ranging from an egg preserver to an anti-corrosive agent in refrigerating condensers. Copies of the booklet may be obtained by addressing the duPont company, Wilmington, Del., mentioning the REPORTER.

Business Wants and Offers

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Equipment Offered

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FOR SALE—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

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Equipment Wanted

WANTED—Several late type Hammer mills, also Raymond imp or screen mill and small attrition mill. State particulars, size and horse power required each unit. BOX 168, Oil, Paint and Drug Reporter.

WANTED—Our expansion program requires additional equipment. We need iron and wood filter presses, jacketed kettles, mixer, pulverizer, dryer, etc. No dealers. Send your offerings to BOX 176, Oil, Paint and Drug Reporter.

Factories Offered

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Materials Offered

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WILL PURCHASE your surplus and discontinued lots of chemicals, oils, waxes, dyes, intermediates, dry colors, greases, metals and other raw materials and by-products. Also entire plants. Consult inventory and plant superintendent. Barclay Chemical Co., Inc., 75 Varick street, New York. Telephone WAlker 5-4250.

HIGHER MARKETS—Sell now. Wanted—Surplus or off-grade waxes, chemicals, greases, oils, botanicals, solvents, aromatics, gums, metals. Also wastes, by-products, residues. Single lots. Entire plants. Chemical Service Corp., 237 Fourth avenue, New York. STuyvesant 9-0133.

Positions Vacant

CHEMIST, LACQUERS and synthetics, with experience in Army, Navy and quartermaster specifications. Give full details including salary in letter. Our employees know of this ad. BOX 169, Oil, Paint and Drug Reporter.

PRODUCTION MAN wanted, experienced in the manufacture of alkaloids, such as emetine, etc., or will consider purchase of working methods for production of same. BOX 173, Oil, Paint and Drug Reporter.

ANALYTICAL CHEMIST wanted for testing tablets, elixirs, fluid extracts and tinctures for an old reliable pharmaceutical house. State age, previous experience, married or not, nationality, what degree (Ph.D., etc.), information regarding expectations, etc. BOX 177, Oil, Paint and Drug Reporter.

EXPERIENCED MAN wanted who understands the vegetable gum business thoroughly. Good opportunity for the right person. Write giving full particulars to BOX 178, Oil, Paint and Drug Reporter.

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Coaltar Pitch:—15,000 pounds for roofing; General Purchasing Officer, Panama Canal, Washington; schedule 5077, opening May 12.

Enamel Thinner:—Supplies of; Commanding Officer, Ogden Ordnance Depot, Ogden, Utah; invitation 36, opening May 13.

Glue:—2,000 pounds; Purchasing Agent, Bureau of Engraving & Printing, Treasury Department, Washington; invitation BEP 1205, opening May 6.

Manganese Linoleate:—50,000 pounds for Norfolk, Va.; Bureau of Supplies & Accounts, Navy Department, Washington schedule 6613, opening May 15.

Resinate:—100,000 pounds for Norfolk; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 6666, opening May 15.

Naphthalene:—22,000 pounds; Quartermaster Depot, Twenty-first & Johnston streets, Philadelphia; invitation 669-656, opening May 19.

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Pigments:—Supplies of; General Purchasing Officer, Panama Canal, Washington; schedule 5077, opening May 12.

Shellac, Orange:—60,000 pounds for Mare Island; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 900-5018, opening May 14.

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128,820 pounds; Quartermaster Supply Officer, San Antonio General Depot, Fort Sam Houston, Tex.; invitation 503-332, opening May 8.

10,000 pounds; Quartermaster, Fort Mason, San Francisco; schedule 928-1129, opening May 7.

Toilet: — 26,000 cakes; Quartermaster, Fort Mason, San Francisco; schedule 928-1129, opening May 7.

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Venetian Red:—5,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 5089, opening May 15.

Wax, Carnauba:—50,000 pounds; Bureau of Supplies & Accounts, Washington; schedule 6659, opening May 22.

Ceresin:—50,000 pounds, for Mare Island; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 6659, opening May 22.

Paraffin:—10,000 pounds, Commanding Officer, Picatinny Arsenal, N. J.; procurement 2163, opening May 8.

50,000 pounds; Commanding Officer, Ogden Ordnance Depot, Ogden, Utah; invitation 35, opening May 14.

Zinc Chromate:—30,000 pounds for Mare Island; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 6556, opening May 13.

Index to Advertisements

Advance Solvents & Chemical Corp..... —
Alabama Charcoal Co..... 34
Alexander, Jerome..... 58
Alkydol Laboratories, Inc..... 41
Allied Asphalt & Mineral Corp..... —
American Agricultural Chemical Co..... —
American Almond Products Co..... 55
American-British Chem. Supplies, Inc.... 38
American Can Co..... —
American Cyanamid & Chem. Corp..... —
American Flange & Mfg. Co..... —
American Potash & Chemical Corp..... —
American Turpentine Farmers Cooperative —
Anderson Prichard Oil Corp..... —
Angus, W. W., Inc..... 66
Ansbacher-Siegle Corp..... —
Apex Chemical Co., Inc..... —
Asbestos Corp. of America..... —
Association of Consulting Chemists and Chemical Engineers, Inc..... 58
Atlantic Coast Fisheries Co..... 50
Atlantic Refining Co..... —
Atlas Powder Co..... 48

Baker, J. T., Chemical Co..... 1
Barber Asphalt Corp..... —
Barium & Chemicals, Inc..... 32
Barium Reduction Corp..... 31
Barrett Company..... 36, 59
Bemis Bro. Bag Co..... 21
Benzol Products Co..... 50
Berk, F. W., & Co., Inc..... 47
Binney & Smith Co..... 65
Brighton Copper Works..... —
Brode Corp., The..... 44
Bureau of Chemistry..... 58
Burke, Edw. S..... —
Bush, W. J., & Co., Inc..... 55

Calco Chemical Div..... 39
Calif. Fruit Growers Exchange..... 15, 49
Capital City Products Co..... 44
Carbide & Carbon Chemicals Corp..... —
Carbo Chemical Co..... —
Carey, The Philip Co..... 50
Carolina Aniline & Extract Co., Inc..... —
Chemical Solvents, C.P., Inc..... 66
Chilean Nitrate Sales Corp..... —
Church & Dwight Co..... 31
Colgate-Palmolive-Peet Co..... 50
Colledge, E. W., General Sales Agent..... —
Colton, Arthur Co..... —
Columbia Chemical Div..... 23
Commercial Solvents Corp..... —
Consolidated Products Co., Inc..... 64
Consumers Import Co., Inc..... 48
Continental Can Co..... —
Cowles Detergent Co..... —
Crosby Naval Stores, Inc..... 40
Crown Can Co..... —

Darling & Co..... 44
Day Chemical Company..... 58
Desert Chemical Co..... 32
Diamond Alkali Co..... 33
Dickhart, W. H..... 58
Dodge & Olcott Co..... 55
Doggett, Stanley, Inc..... —
Donner-Hanna Coke Corp..... —
Douglass Sulphur Co..... —
Dow Chemical Co..... 49
Dunkel, Paul A., & Co., Inc..... —
DuPont de Nemours, E. I., & Co., Inc.... 1
Durez Plastics & Chemicals, Inc..... 26

Eastman Kodak Co..... —
Edwal Laboratories, Inc..... —
Ehrlich, J..... 58
Electro Bleaching Gas Co..... —
Ellis-Foster Co..... 58
Emery Industries, Inc..... —

Fairmount Chemical Co..... —
Felton Chemical Co., Inc.....
Fezandie & Sperrle..... —
First Machinery Corp..... 64
Food Research Laboratories, Inc..... 58
Frank-Vliet Co., Inc..... 52
Franks Chemical Products Co..... 41
Freeport Sulphur Co..... —
Fritzsche Bros., Inc..... 54, 57
Fulton Bag & Cotton Mills..... —

Gartenberg, H., & Co..... —
General Chemical Co..... —
General Drug Company..... 16
General Electric Co..... 26
Georgia Kaolin Co..... —
Gesell, R., Inc..... 50
Givaudan-Delawanna, Inc..... —
Gray, William S., & Co..... 1
Gray Industrial Laboratories..... 58
Greeff, R. W., & Co..... 48
Gross, A., & Co..... 43
Gruman, J. B., Co..... —

Hallowell, Horace J..... 58
Hardesty, W. C., Co., Inc..... 43
Harshaw Chemical Co..... —
Heekin Can Co..... —
Heyden Chemical Corp..... —
Holt, C. J., Co., Inc..... 58
Hooker Electrochemical Co..... 34
Hopkins, J. L., & Co..... 53
House of Wallace..... 54
Huisking, Chas. L., & Co..... 46
Hutchinson, D. W., & Co., Inc..... 55

Imperial Paper & Color Corp..... —
Independent Mfg. Co..... 43
Industrial Consulting Labs., Inc..... 58
Innis, Speiden & Co..... —
International Pulp Co..... —
International Selling Corp..... 34
Irvington Smelting & Refining Works..... —

Jackle, Frank R..... —
Jones & Laughlin Steel Corp..... —
Jungmann & Co., Inc..... 34
Kachurin Drug Co..... 53

Keico Co..... —
Kentucky Color & Chemical Co..... 41
Kessler Chemical Co., Inc..... 47
Khosrovschahi, Morteza..... 52
Knight, P. H..... 58
Koppers Company..... 37
Krebs Pigment & Color Corp..... —

Laning, E. M., Co..... 58
LaWall & Harrisson..... 58
Leghorn Trading Co..... 50
Lemke, B. L., Fine & Rare Chemicals... —
Leonhard, Theodor, Wax Co., Inc..... 45
Lueders, George, & Co..... —

Magnetic Pigment Co..... 65
Magnus, Mabee & Reynard, Inc..... 55
Mallinckrodt Chemical Works..... —
Mantrose Corp..... —
Marine Magnesium Products Corp..... —
Mathieson Alkali Works, Inc..... 11
Mathieu, A. H., & Co..... 31
McKesson & Robbins, Inc..... 60
Merck & Co., Inc..... —
Metallurgical Products Co..... —
Metasap Chemical Co..... —
Meyer, Herman, Drug Co., Inc..... —
Michigan Alkali Co..... —
Millmaster Chemical Co..... 66
Mills, Zophar, Inc..... 40
Minnesota Specialty Co..... 40
Molnar Laboratories..... 58
Monsanto Chemical Co..... 46
Munch, James C..... 58
Mutual Chemical Co. of America..... 35

National Aniline & Chemical Co., Inc... 26
National Box & Lumber Co..... —
National Lead Co..... —
National Milk Sugar Co..... 50
National Rosin Oil & Size Co..... —
Natural Products Refining Co..... 35
Neuberg Chemical Corp..... 13
Neville Co..... —
New Jersey Zinc Co..... —
N. Y. Quinine & Chemical Works, Inc.... 6
Niagara Alkali Corp..... —
Niacet Chemicals Corp..... 35

Oldbury Electro-Chemical Co..... —
Orbis Products Corp..... —
Orthmann Laboratories, Inc..... 58
Osborn, C. J., Co..... 41

Pacific Alkali Co..... 31
Pacific Coast Borax Co..... 1
Pacific Vegetable Oil Corp..... —
Paramet Chemical Corp..... 39
Parsons, M. W..... 40
Penick, S. B., & Co..... 52
Pennsylvania Coal Products Co..... 50
Pennsylvania Industrial Chem. Corp..... —
Pennsylvania Refining Co..... —
Pennsylvania Salt Mfg. Co..... 32
Pfaltz & Bauer, Inc..... 34
Pfizer, Chas., & Co., Inc..... 29
Phelps Dodge Refining Co..... —
Philadelphia Quartz Co..... —
Phosphate Mining Co..... 32
Pittsburgh Plate Glass Co..... 23
Polachek, Z. H..... 58
Potash Co. of America..... —
Prentiss, R. J., & Co..... 52
Prior Chemical Corp..... 1
Procter & Gamble..... 43, 45
Publicker Commercial Alcohol Co..... —
Purdy, W. S., Co., Inc..... 58
Pure Calcium Products Division..... —

Raisch, John E., & Co..... 58
Reed-Blair Laboratories..... 58
Reichhold Chemicals, Inc..... —
Republic Chemical Corp..... 65
Republic Steel Corp..... —
Robinson Wagner Co..... 48
Rosenthal, H. H., Co., Inc..... 66
Rufert Chemical Co..... 57

Sadtler, Samuel P., & Son, Inc..... 58
St. Joseph Lead Co..... —
Schuylkill Chemical Co..... 48
Schwarz Laboratories, Inc..... 58
Sell, Putt & Rusby, Inc..... 58
Seydel Chemical Co..... —
Sharples Chemicals, Inc..... 1
Shell Oil Co..... —
Sherwood Petroleum Co, Inc..... 57
Skelly Oil Co..... —
Smith, Kline & French Labs..... —
Snell, Foster D., Inc..... 58
Socony-Vacuum Oil Co., Inc..... —
Solvay Sales Corp..... 19
Sonneborn, L., Sons, Inc..... 66
Southern Acid & Sulphur Co., Inc..... —
Sparkler Mfg. Co..... 41
Standard Alcohol Co..... —
Standard Brands, Inc..... —
Standard Oil Co. of Calif..... 57
Standard Specialty & Tube Co..... 50
Standard Synthetics, Inc..... —
Standard Ultramarine Co..... —
Stauffer Chemical Co..... 32
Stillman & Van Siclen, Inc..... 58
Stillwell & Gladding..... 58
Stroock & Wittenberg Corp..... —
Sun Oil Co..... —

Taintor Trading Co., Inc..... —
Tamms Silica Co..... —
Tar & Chemical Div. of Koppers Co..... 37
Tar Residuals, Ltd..... 38
Tennessee Corp..... 34
Texas Gulf Sulphur Co., Inc..... 59
Thompson-Hayward Chemical Co..... 34
Thornton, The F. C., Co..... —
Thurston & Braidich..... 52
Titanium Pigment Corp..... —
Todd, A. M., Co..... —
Tombarel Products Corp..... —
Truesdail Laboratories, Inc..... 58
Turner, Joseph, & Co..... 31

Union Carbide & Carbon Corp..... —
U. S. Industrial Chemicals, Inc..... 17, 18
United States Potash Co..... —

Vanderbilt, R. T., Co., Inc..... 40
Victor Chemical Works..... 66
Viking Distributing Co..... —
Vitro Mfg. Co..... —
Vol-U-Meter Co..... 40

Wah Chang Trading Corp..... 43
Warner Chemical Co..... 2
Weiss & Downs, Inc..... 58
Wet Ground Mica Assn., Inc..... —
White Tar Co. of N. J..... 37
Wiley & Co., Inc..... 58
Will & Baumer Candle Co., Inc..... —
Williams, C. K., & Co..... —
Wilson-Martin Div..... 44
Wishnick-Tumpeer, Inc..... —
Woburn Degreasing Co. of N. J..... 44
Wolf, Jacques, & Co..... 55
Wood Preserving Corp..... 37
Woodridge Mfg. Div..... 47

Zophar Mills, Inc..... 40

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